SERVICE MANUAL

GE-1 CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-28FD1E	RM-864	AEP	SCC-N46B-A	KV-32FD1E	RM-864	AEP	SCC-N46A-A
KV-28FD1K	RM-864	OIRT	SCC-N47B-A	KV-32FD1K	RM-864	OIRT	SCC-N47A-A

MICROFILM

TRINITRON® COLOR TV

SONY®

ITEM MODEL	Television System	Channel Coverage	Colour System
AEP	B/G/H, D/K L, I	L SECAM VHF: F2-F10 UHF: F21-F69 TV CABLE TV (1) VHF: B-Q UHF: S21-S44 PAL B/G/H VHF: E2-E12 UHF: E21-E69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, M1-M10, U1-U10 ITALIA VHF: A-H, H1, H2 PAL I UHF: B21-B69 D/K VHF: R01-R12 UHF: R21-R69 CABLE TV VHF: S1-S41, UHF: S01-S05	PAL, PAL+, SECAM NTSC3.58/4.43 (video input only)
OIRT	B/G/H, D/K	B/G/H VHF: E2-E12 UHF: E21-E69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, M1-M10, U1-U10 ITALIA VHF: A-H, H1, H2 D/K VHF: R01-R12 UHF: R21-R69 CABLE TV VHF: S1-S41, UHF: S01-S05	PAL, PAL+, SECAM NTSC3.58/4.43 (video input only)

MODEL	28FD1E	28FD1K	32FD1E	32FD1K
Power Consumption	180W	180W	180W	180W

SPECIFICATIONS

Picture Tube — Super Trinitron WIDE
KV-28FD1 — Approx. 71 cm (28 inches) (Approx. 66 cm picture measured diagonally) 110º deflection
KV-32FD1 — Approx 82 cm (32 inches) (Approx 76 cm picture measured diagonally) 110º deflection

Rear/Front Terminals

[REAR]

→ 1 21-pin Euro connector (CENELEC standard)
- Inputs for audio / video signals
- Inputs for RGB
- Outputs of TV video and audio signals

2/ → S 2 21-pin Euro connector
- Inputs for audio and video signals
- Inputs for S video
- Outputs for audio and video signals (selectable)

4/ → S 4 21-pin Euro connector
- Inputs for audio and video signals
- Inputs for S video

→ 15 pin Euro connector
- Inputs for RGB

→ 3 Audio inputs - phono jacks
→ S 3 S video input - 4 pin DIN
→ Audio outputs (variable) - phono jacks
External speaker terminals : 2-pin Din (5)

[FRONT]

→ 15 pin Euro connector
- Inputs for RGB

→ 3 Video input - phono jack
→ 3 Audio inputs - phono jacks
→ Audio outputs - phono jacks
→ S 3 S video input - 4 pin DIN
Headphone jack - stereo minijack

Sound output — 2x30W (music power), 2x15W (RMS)
Dimensions
KV-28FD1 — 754(718 no speaker) x501x520mm approx.
KV-32FD1 — 846(812 no speaker) x561x550mm approx.
Weight
KV-28FD1 — Approx. 51 kg
KV-32FD1 — Approx. 69 kg

Supplied accessories — Remote Commander RM-864 (1), R6 batteries (2)
Other features
Digital comb filter (High resolution)
FASTEXT, DNR (Digital Noise Reduction)
Dolby Digital Surround Sound System, 100Hz Digital Plus
Graphic Equalizer, PAP (Picture and Picture)
PAL plus, Multi PIP
NICAM stereo

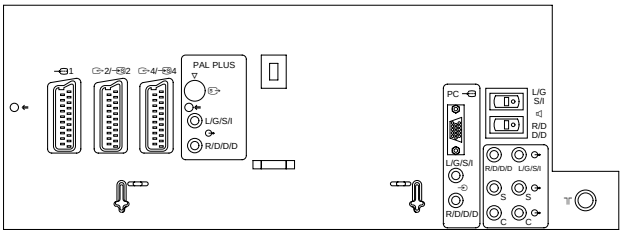
[RM-864]

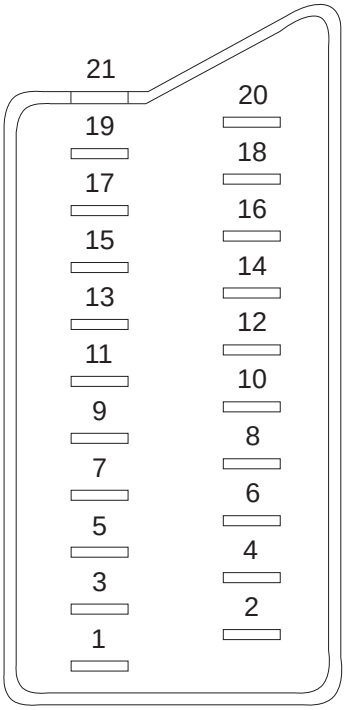
Remote control system	Infrared control
Power requirements	3V dc (2 batteries) R6 (size AA)
Dimensions	Approx. 210x56x24 mm (w/h/d)
Weight	Approx. 110 kg (Not including battery)

Design and specifications are subject to change without notice.

Item \ Model name	KV-28FD1E	KV-28FD1K	KV-32FD1E	KV-32FD1K
PIP	OFF	OFF	OFF	OFF
MPIP	ON	ON	ON	ON
Picture & Text	ON	ON	ON	ON
Rotation Coil	ON	ON	ON	ON
VM Set (Velocity Modulation)	ON	ON	ON	ON
PAL +	ON	ON	ON	ON
Scart 1	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON
Scart 4	ON	ON	ON	ON
Pal Plus Out	ON	ON	ON	ON
Front in (3)	ON	ON	ON	ON
AKB in 16:9 mode	ON	ON	ON	ON
TXT	ON	ON	ON	ON
FLOF	ON	ON	ON	ON
TOP	ON	ON	ON	ON
Norm B/G/H	ON	ON	ON	ON
Norm I	ON	OFF	ON	OFF
Norm D/K	ON	ON	ON	ON
Norm L	ON	OFF	ON	OFF
Language Preset	Spanish	OIRT	Spanish	OIRT

21 pin connector (→ → → 1)

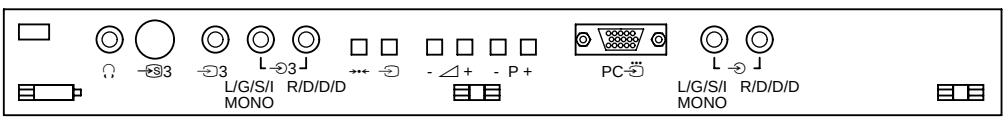




Pin No.	1	2	4	Signal	Signal Level
1	○	○	○	Audio output B (Right)	Standard level : 0.5V rms Output impedance : Less than 1k ohms*
2	○	○	○	Audio input B (Right)	Standard level : 0.5V rms Output impedance : More than 10k ohms*
3	○	○	○	Audio output A (Left)	Standard level : 0.5V rms Output impedance : Less than 1k ohm*
4	○	○	○	Ground (Audio)	
5	○	○	○	Ground (Blue)	
6	○	○	○	Audio input A (Left)	Standard level : 0.5V rms Output impedance : Less than 10k ohm*
7	○	●	●	Blue input	0.7 ± 3dB, 75 ohms, positive
8	○	○	○	Function select (AV control)	High state (9.5 - 12V) : Part mode Low state (0 - 2V) : TV mode Input impedance : More10k ohms Input capacitance : Less than 2nF
9	○	○	○	Ground (Green)	
10	○	○	○	Open	
11	○	●	●	Green	
12	○	○	○	Open	
13	○	○	○	Ground (Red)	
14	○	○	○	Ground (Blanking)	
15	○	—	—	Red input	0.7 ± 3dB, 75 ohms, positive
	—	○	○	(S signal) croma input	0.7 ± 3dB, 75 ohms, positive
16	○	●	●	Blanking input (Ys signal)	High state (1 - 3V) Low state (0 - 0.4V) Input impedance : 75 ohms
17	○	○	○	Ground (Video output)	
18	○	○	○	Ground (Video input)	
19	○	○	○	Video output	1V ± 3dB, 75ohms, positive sync : 0.3V (-3 + 10dB)
20	○	—	—	Video input	1V ± 3dB, 75ohms, positive sync : 0.3V (-3 + 10dB)
	—	○	○	Video input Y (S signal)	1V ± 3dB, 75ohms, positive sync : 0.3V (-3 + 10dB)
21	○	○	○	Common ground (plug, sheild)	

○ Connected ● Not Connected (Open) * at 20Hz - 20kHz

Pin No.	Signal	Signal Level
1	Ground	
2	Ground	
3	Y (S signal) input	1V ± 3dB 75 ohm, positive Sync. 0.3V -3 + 10dB
4	C (S signal) input	0.3V ± 3dB 75ohm, positive Sync.



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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE.
LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND, IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE PUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

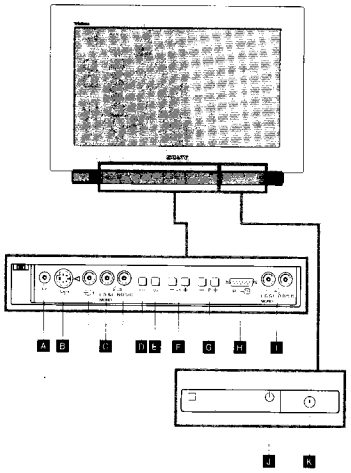
The operating instructions mentioned here are partial abstracts from the Operating Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

Overview

This section briefly describes the buttons and controls on the TV set and on the Remote Commander. Please open the flaps at the front and at the back of the Instruction Manual for detailed illustrations of the Remote Commander and the TV set. Letters in boxes refer to the buttons and connectors on the TV set, numbers in circles to the buttons on the Remote Commander. For more information, refer to the pages given next to each description.

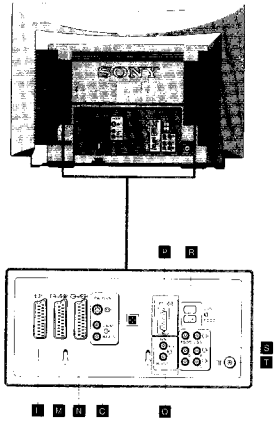
TV set – front

Reference and Symbol	Name	Refer to page
A ∩	Headphones jack	54
B →S 3	S video input jack	63
C →3, →3	Input jacks (video, audio)	63
D →•←	Reset button	45
E →	Input mode button	45, 63
F ◿ +/-	Volume control	45
G P +/-	Programme buttons	45
H PC →	PC-Interface (VGA-connector)	63
I → L/G/S/I R/D/D/D	PC: Audio phono jacks	63
J ⏻	Standby mode indicator	45
K ⏻	Main power switch	45



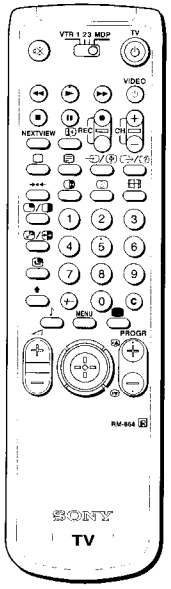
TV set – rear

Reference and Symbol	Name	Refer to page
L →1	21-pin Euro connector	63
M →2/ →S2	21-pin Euro connector	63
N →4/→S4	21-pin Euro connector	63
O PAL PLUS →S, →	PAL Plus output connectors (S video, Audio)	64
P PC →	PC-Interface (VGA-Connector)	63
Q → L/G/S/I R/D/D/D	PC: Audio phono jacks	63
R L/G/S/I R/D/D/D	Left and right speaker terminals	40
S R/D/D/D, L/G/S/I, →, →S, →C	External speaker terminals (Left, Right, Surround, Centre) phono jacks	41
T ⊤	Aerial socket	42



Remote Commander

Reference and Symbol	Name	Refer to page
1	Muting on/off button	45
2	**VCR operation**	64
VTR 123 MDP	Video equipment selector	64
◄◄ ► ►► ■ II ●	Video equipment operation buttons	64
VIDEO ⏻, CH +/-		
3	On-screen display button	45
4 NexTView	Electronic Programme Guide On/Off	45, 56
5	Teletext button	45, 60
6	TV power on/TV mode/Teletext off button	45
7	PAP freeze button	59
8	Picture reset button	45
9	PAP on/off button	59
10	PAP Swap button	59
11	No function on this set	
12	PAP source selector	59
13 - / --	Double digit entering button	45
14 ♪	Sound mode button	54
15 MENU	Menu on/off button	46
16 ◿ +/-	Volume control buttons	45
17	Joystick for Menu selection	46
	Press to confirm selection (OK function)	
18 TV ⏻	TV standby button	45
19	Output mode selector	63
	Teletext: Reveal button	60
20	Input mode selector	45, 63
	Teletext: Freezing the subpage	60
21	Time display button	45
22	Screen format button	45
23 1, 2, ... 9, 0	Number buttons	45
24 C	Direct channel entering button	45
25	Picture mode button	54
26 PROGR +/-	Programme buttons	45
	Teletext: Page up/page down buttons	60



Basic Operation

Step 1 Installation

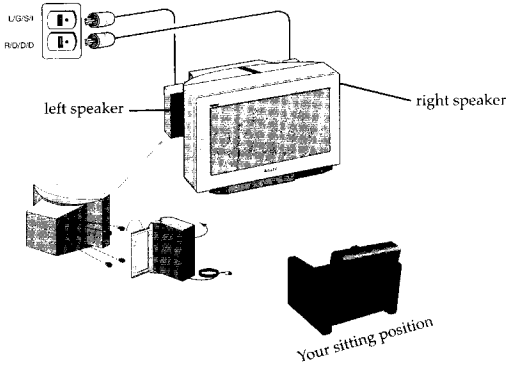
A Connecting the Speakers

! • Before first switching the TV on, make sure to connect the speakers to the TV.
• When using your own speakers, make sure they are at least 8 ohms impedance and magnetically shielded.

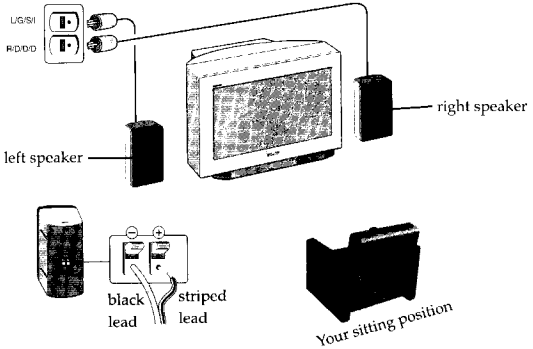
You have two possibilities to enjoy Dolby* ProLogic Surround broadcasts:

1 Virtual Mode
Virtual mode is a simulation of Dolby* ProLogic Surround using the two front speakers.

a) Connect the speakers provided only:



b) Connect your own speakers:

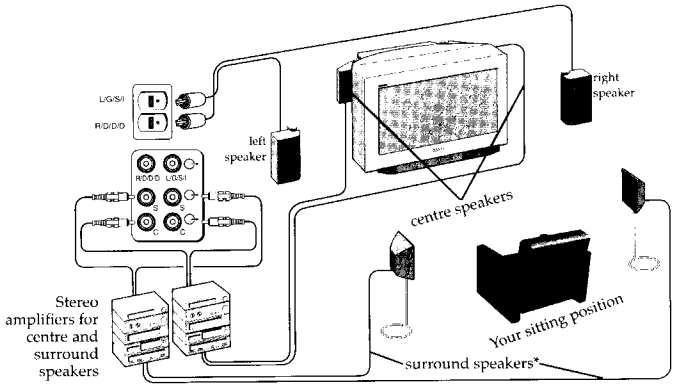


*Manufactured under license from Dolby Laboratories Licensing Corporation.
»Dolby«, »Pro Logic« and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

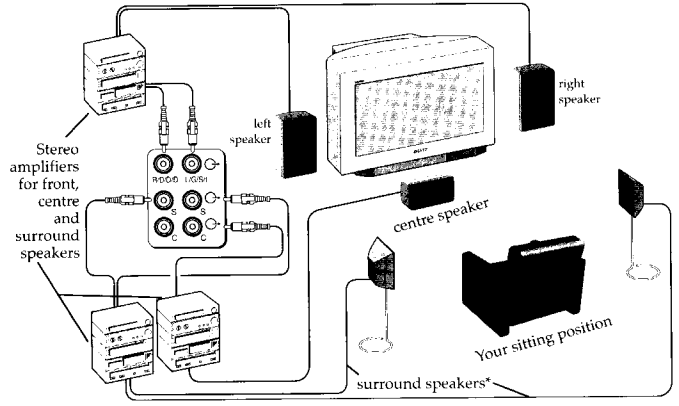
Installation

2 Pro Logic
Dolby Pro Logic Surround normally requires 5 speakers:
One or two centre speaker to anchor the stable sound image such as dialogues to the TV screen.
Left and right front speakers for the normal two channel stereo or bilingual broadcasts.
Surround speakers for the special effects created by the surround channels.

a) Connect the speakers provided plus optional speakers via amplifiers:



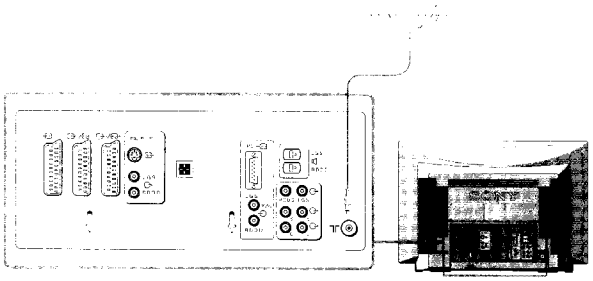
b) Connect your own speakers via amplifiers:



* For the best sound effect place the surround speakers one meter above your listening position.

B Connecting the Aerial

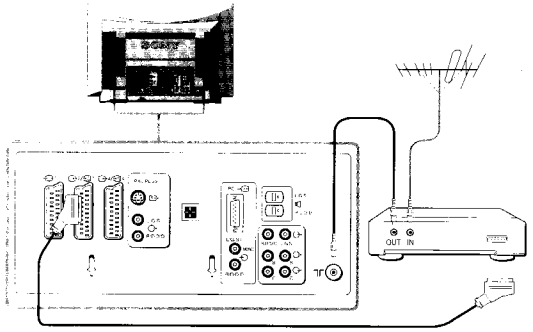
(If you connect a VCR, skip to step C)
Insert the aerial plug of the aerial cable tightly into the aerial socket ⊤ T.



C Connecting a VCR

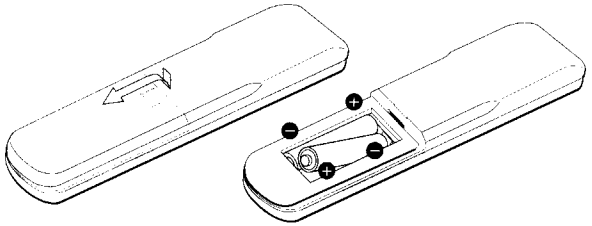
We recommend that you tune in the VCR signal to the programme position »0«.
Use the preset function »Manual Programme Preset« (page 46) to do this.

! For Smartlink operation: Make sure to connect your VCR to ⊖2/⊖2M, using a fully-wired 21-pin scart cable.



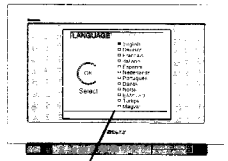
D Inserting the batteries into the Remote Commander

Insert the batteries checking the correct polarities.



! Respect your environment! Dispose of used batteries in an environmental friendly way.

Step 2 Basic Presetting



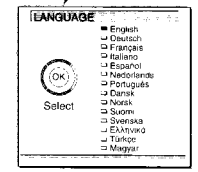
A Choosing the Menu Language and the Country

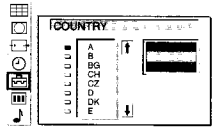
Using this function you select the language of the menu screens. Also you select the country in which you will use the TV. In this way the channels of the selected country will automatically get the top positions during automatic presetting.

1 Press the power switch ⏻ K on the TV. If the standby indicator ⏻ J on the TV is lit, press 🖵 6 or a number button 28 on the Remote Commander. Press the MENU button 15 on the Remote Commander. The menu LANGUAGE appears.

2 Push the joystick 17 to blue or green to select the language. Press the joystick 17 to confirm your selection. The menu COUNTRY appears.

3 Push the joystick 17 to blue or green to select the country in which you wish to operate the TV. Press the joystick 17 to confirm the selection.
The menu AUTO PROGRAMME appears.





B Presetting Channels Automatically

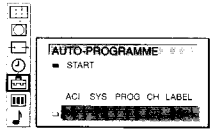
With this function the TV automatically searches and stores up to 100 channels onto programme positions. If you prefer »Manual Presetting of channels« please refer to page 46 in Advanced Operation.

A All items shown on the menu screen are as wanted: Press the joystick 17 to select START. Now the automatic channel presetting starts from programme position 1.

or

B You wish to change items as shown on the menu screen: Push the joystick 17 to blue or green. Push to yellow repeatedly until the desired item is highlighted.

Push the joystick 17 to blue or green to select the following possibilities:



ACI
(Automatic Channel Installation, depending on availability of service in your country)
on: fast channel presetting by special networks using the channel frequency (e.g. F055) TV-system and station label
off: ACI is not active, only ITP (Intelligent Tuner Preset)

SYS (TV Broadcast System)
B/G for Western European Countries
I for Great Britain
D/K for Eastern European Countries
L for France

PROG (Programme Position)
Presetting automatically starts from position 1.

CH (channel)
C to start presetting with terrestrial channels
S to start presetting with cable channels

Press the joystick 17 as soon as the automatic presetting should start.
After automatic presetting is over, the NexTView menu appears on the screen.

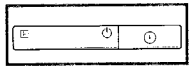
Joystick

Step 3 TV operation

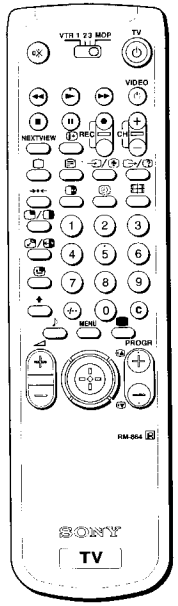
Using Direct Access Buttons

This section explains functions used while watching TV. Most operations are carried out using the Remote Commander (numbers in circles). All basic functions are also available on the TV set itself (letters in boxes).

To	Press
Switch on	• ⏻ K on TV.
Switch off temporarily (Standby mode)	• ⏻ 18. TV is now in standby mode and indicator ⏻ J lights up. ! After 15 min without any TV signal and no pressing of • any button, the TV switches automatically into standby mode.
Switch on from standby mode	• 🖵 6, PROGR +/- 26 G or any number button 23.
Switch off completely	• ⏻ K on TV. ! To save energy, we recommend to switch off your TV • completely when TV is not in use.
Select programmes and see current broadcast	• PROGR +/- 26 G or number buttons 23. For double digit number, press -/- - 13, then the two number buttons 23. (E.g. for 24, press -/- - 13, then 2 and 4.)
Display a programme table	• The joystick 17. Push the joystick 17 to blue or green to select a programme, then press the joystick 17 to confirm.
Display on screen indications	• 3. Press again to make the indications disappear.
Adjust the volume	• + or - 16 F.
Mute the sound	• 1. Press again to restore the sound.
Display the time (only available when teletext is broadcast)	• 21. Press again to make the display disappear.
Tune in a channel temporarily	• »C« 24 once for terrestrial channels, twice for cable channels. The indication »C« or »S« for cable channels appears. Enter the channel number with two digits, e.g. for 4, press 0, then 4.
View the input of a connected device (see also page 63)	• 20 E repeatedly until the desired input signal appears. Press 🖵 6 to restore the normal TV picture.
View teletext (see also page 60)	• 5 to switch on. Input a page number, using the number buttons 23 (e.g. for page 125, press 1, 2 and 5). 🖵 6 to switch off.
Change the screen mode (see also page 57)	• 22 repeatedly. The mode changes as follows: Auto Wide → Smart → 4:3 → 14:9 → Zoom/PAL Plus → Wide
Display NexTView (see also page 56)	• Press NexTView 4. Push the joystick 17 to blue, green, red or yellow to select. Press NexTView 4 again to restore the normal TV picture.
Reset picture settings to factory levels	• 6 D. Press again to get an extra bright picture.



PROGRAMME TABLE



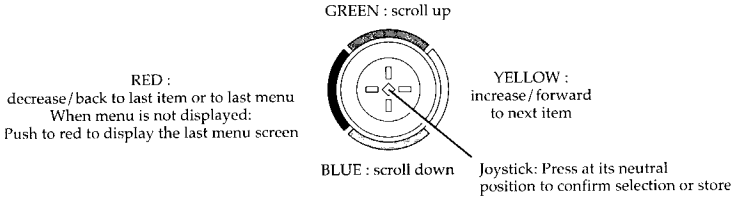
Advanced Operation

Using the Menu System

Use the following buttons on the Remote Commander to operate the Menu system:

1 Press MENU button 15 to switch menu on or off.

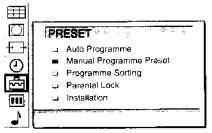
2 Use the joystick 17 as follows:


GREEN : scroll up
RED :
decrease/back to last item or to last menu
When menu is not displayed:
Push to red to display the last menu screen
YELLOW :
increase/forward
to next item
BLUE : scroll down
Joystick: Press at its neutral position to confirm selection or store

Advanced Presetting

Presetting Channels Manually

Using this function you can preset channels one by one to different programme positions. It is also convenient to allocate programme numbers to video input sources.



1 Press MENU 15.

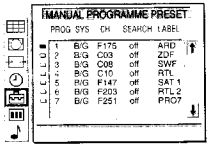
2 Push joystick 17 to blue or green to select the symbol on the menu screen. Push to yellow to confirm the selection.

3 Push to blue or green to select »Manual Programme Preset«. Push to yellow to confirm the selection.

4 Push to blue or green to select the programme position (PROG) to which you want to preset a channel. Push to yellow to confirm.

5 Push to blue or green to select the TV broadcast system (SYS) (B/G for western European countries, I for Great Britain, D/K for eastern European countries, L for France) or a video input source (EXT). Push to yellow to confirm.

6 Push to blue or green to select »C« (for terrestrial channels), »S« (for cable channels) or »F« (for channel frequency). Push to yellow to confirm.


MANUAL PROGRAMME PRESET
PROG SYS CH SEARCH LABEL
1 B/G F175 off ARD
2 B/G C03 off ZDF
3 B/G C08 off SWF
4 B/G C10 off RTL
5 B/G F147 off SAT 1
6 B/G F203 off RTL 2
7 B/G F251 off PRO7

There are two possibilities to preset channels manually:

a) You know the channel number or channel frequency. Please use method »Direct input«.

or

b) You don't know the channel number or frequency. Please use method »Search«.

Skipping Programme Positions

This function enables you to skip unused programme positions when selecting them with the PROGR +/- buttons. However, by using the number buttons you can still select the skipped programme position.

1 Press MENU ⓯.

2 Push joystick ⓱ to blue or green to select the symbol on the menu screen. Push to yellow to confirm.

3 Push to blue or green to select »Manual Programme Preset«. Push to yellow to confirm.

4 Push to blue or green to select the programme position you want to skip. Push to yellow to confirm.

5 Push to blue or green to select »---« in the position SYS (system). Press the joystick ⓱ to confirm.

6 Repeat steps 4 and 5 to skip other programme positions.

7 Press MENU ⓯ to restore the normal TV picture.

Sorting Programme Positions

This function enables you to sort the programme positions to a preferable order.

1 Press MENU ⓯.

2 Push joystick ⓱ to blue or green to select the symbol on the menu screen. Push to yellow to confirm.

3 Push to blue or green to select »Programme Sorting«. Push to yellow to confirm.

4 Push to blue or green to select the programme position of the channel you want to exchange. Press joystick ⓱ to confirm.

5 Push to blue or green to select the programme position of the second channel. Press joystick ⓱ to confirm. Now the two programme positions are swapped and sorted.

6 Repeat steps 4 and 5 to sort other programme positions.

Using Parental Lock

This function enables you to prevent children watching undesirable broadcasts.

1 Press MENU ⓯.

2 Push joystick ⓱ to blue or green to select the symbol on the menu screen. Push to yellow to confirm.

3 Push to green or blue to select »Parental Lock«. Push to yellow to confirm.

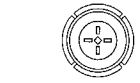
4 Push to green or blue to select the channel you want to block. Press the joystick ⓱ to confirm. The symbol appears before the programme position to indicate that this channel is now blocked.

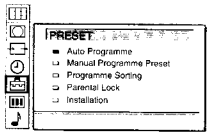
5 Repeat step 4 to block other channels.

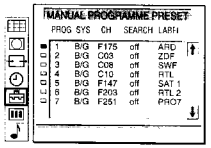
6 Press MENU ⓯ to restore the normal TV picture.

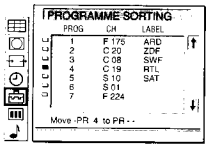
! To unblock: Select the channel to unblock in the menu »Parental Lock«. Press the joystick ⓱. The symbol disappears.

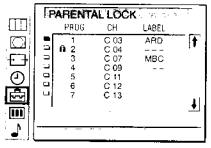
Joystick






MANUAL PROGRAMME PRESET
PROG SYS CH SEARCH LABEL
1 B/G F175 off ARD
2 B/G C03 off ZDF
3 B/G C08 off SWF
4 B/G C10 off RTL
5 B/G F147 off SAT 1
6 B/G F203 off RTL 2
7 B/G F251 off PRO7





Using »Further Programme Preset«

Using the menu »Further Programme Preset« you can

a) in case of a strong local aerial signal (striped picture) attenuate the signal individually for each programme position (RF attenuator).

b) individually adjust and store the volume level of each channel (Volume offset).

c) in case of picture or sound distortions use manual fine tuning to obtain a better picture quality. The factory setting is »on« for AFT (Automatic Fine Tuning).

d) preset the AV output for the programme positions of channels with scrambled signals (e.g. from a Pay TV decoder). In this way a connected VCR records the unscrambled signal.

1 Press MENU ⓯.

2 Push the joystick ⓱ to blue or green to select the symbol on the menu screen. Push to yellow to confirm.

3 Push to blue or green to select »Installation«. Push to yellow to confirm.

4 Push to blue or green to select »Further Programme Preset«. Push to yellow to confirm.

5 Push to blue or green to select the programme position you want. Push to yellow repeatedly to select:
a) ATT (RF attenuator), b) VOL (Volume Offset), c) AFT (Automatic Fine Tuning) or d) DECODER. The selected item changes colour.

6a) ATT
Push to blue or green to select »ON« for the programme position and press the joystick ⓱ to confirm. Repeat step 6 to attenuate other programme positions.

b) VOL
Push to blue or green to adjust the volume for the selected programme position within a range of -7 to +7. Press the joystick ⓱ to confirm. Repeat step 6 to set the volume level for other programme positions.

c) AFT
Push to blue or green to fine-tune the channel within a range of -15 to +15. Press the joystick ⓱ to confirm. Repeat step 6 to fine-tune other channels.

d) DECODER
Push to blue or green to select AV1 or AV2 for the programme position and press the joystick ⓱ to confirm. Repeat step 6 to preset the AV output for other programme positions.

! »Auto Programme« cancels this setting.

7 Press MENU ⓯ to restore the normal TV picture.

Using »AV Preset«

Using this function you can preset the desired input source (e.g. 1, RGB signal) to the respective AV input (AV1). In this way a connected VCR switches automatically to the RGB signal. Also you can label the input sources.

1 Press MENU ⓯.

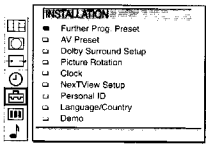
2 Push the joystick ⓱ to blue or green to select the symbol on the menu screen. Push to yellow to confirm.

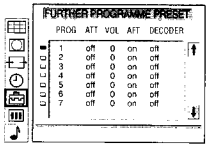
3 Push to blue or green to select »Installation«. Push to yellow. Push to blue or green to select »AV Preset«. Push to yellow to confirm.

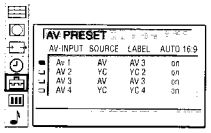
4 Push to blue or green to select the desired AV input. Push to yellow to confirm.

5 Push to blue or green to select the desired source. Push to yellow to confirm. For the respective AV inputs you have the following choice:

Joystick




FURTHER PROGRAMME PRESET
PROG ATT VOL AFT DECODER
1 off 0 on off
2 off 0 on off
3 off 0 on off
4 off 0 on off
5 off 0 on off
6 off 0 on off
7 off 0 on off



AV1: RGB or AV
AV2: YC2 or AV
AV3: YC3 or AV
AV4: YC4 or AV

continued ≫

6 To label a source: Push to blue or green to select the first character (letter or number, » « for a blank). Push to yellow to confirm. Select the other four characters in the same way.

7 For automatic format and PAL plus selection (Auto 16:9):
Push to blue or green to select »On« for the AV input.

8 Press the joystick ⓱ to store.

9 Repeat steps 4 to 8 for the other AV inputs.

10 Press MENU ⓯ to restore the normal TV picture.

Setting up Dolby Surround

Before listening to Dolby Surround encoded programmes, you should adapt the Dolby Pro Logic features to your individual requirements. This setting up of the levels and modes of the speakers normally is required only when installing the TV and the speakers or when changing the position of the speakers.

1 Press MENU ⓯.

2 Push the joystick ⓱ to blue or green to select the symbol 🧰 on the menu screen. Push to yellow to confirm.

3 Push to blue or green to select »Installation«. Push to yellow to confirm.

4 Push to blue or green to select »Dolby Surround Set Up«. Push to yellow to confirm.

5 Push to yellow. Now there are two possibilities to enjoy Dolby Surround depending on the speakers you have connected to the set.
Push to blue or green to select
a) **Virtual**, if you have connected the supplied or your own lateral speakers. (Speaker mode and Delay Time are set to fixed settings) or
b) **Pro Logic**, if you have connected the supplied or your own lateral speakers, plus optional speakers via an external stereo amplifier. Press the joystick to confirm.

6 Push to blue or green to select "Level Settings". Push to yellow. The setting "Left" (sound level of the left speaker) changes colour. You hear a test tone from the left speaker.

7 Push to yellow. Push to red or yellow to adjust the level. Press the joystick ⓱ to confirm.

8 Push to blue or green to select Centre (centre speaker/s, only for ProLogic mode), Right (right speaker), Surround (surround speakers, only for ProLogic mode) or Effect (imitation of Dolby effect, only for Virtual mode). Repeat step 7 to adjust the sound level of the selected speaker. Repeat steps 7 and 8 to adjust the sound levels of the other speakers (from your sitting position all levels should be the same). Push to red.

only for ProLogic mode

9 Push to blue to select "Speaker mode". Push to yellow to confirm.
Push to blue or green to select:
Normal – all speakers are activated
Phantom – centre speaker is not used
Wide – wider bandwidth for centre speaker
Press the joystick ⓱ to confirm.

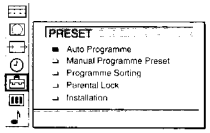
10 Push to blue or green to select »Delay Time«. Push to yellow to confirm. Push to blue or green to select the delay time of the surround speakers (e.g. 20 ms for standard rooms, 30 ms for small rooms)
15 ms → 20 ms → 25 ms → 30 ms
Press the joystick ⓱ to confirm.

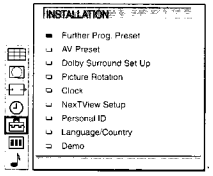
For both Virtual and Dolby Pro Logic modes:

11 Push to blue or green to select »Auto Surround«. Push to yellow to confirm. Push to blue or green to select:
On - When receiving a Dolby Surround encoded programme, the TV switches automatically to Dolby Surround sound (depending on availability of service by broadcaster).
Off - normal
Press the joystick ⓱ to confirm.

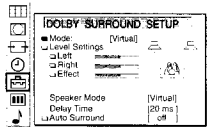
12 Press the MENU button ⓯ to restore the normal TV picture.

Joystick

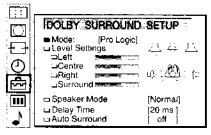




Virtual:



Pro Logic:



Setting up RGB or PC-IN

When connecting an RGB source, such as a Sony playstation to ⇨1 L, or a PC to one of the PC-IN connectors H P you may need to readjust the geometry of the picture.

1 Press ⇨ ⓴ repeatedly to select ⇨ for RGB source (playstation) or PC IN 1 (VGA1) or PC IN 2 (VGA2) (computer).

2 Press MENU ⓯.

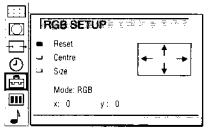
3 Push the joystick ⓱ to blue or green to select the symbol 🧰 on the menu screen. Push to yellow to confirm.

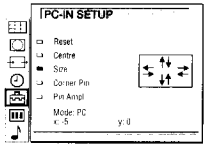
4 Push to blue or green to select »Installation«. Push to yellow. Push to blue or green to select »RGB setup« or »PC-IN setup«. Push to yellow to confirm.

5 Push to blue or green to select »Centre«. Push to yellow. Push to blue, green, red or yellow (see figure) to adjust the centre of the picture. Press the joystick ⓱ to confirm.

6 Push to blue or green to select »Size«. Push to blue ↓, green ↑, red ← or yellow → to change the horizontal and vertical coordinates. Press the joystick ⓱ to confirm.

! To return to factory setting of the geometry: Select »Reset« in the menu and press the joystick ⓱.





Only for PC-IN

7 Push to blue or green to select »Corner Pin«. Push to yellow. Push to blue, green, red or yellow to adjust the four corner pins. Press the joystick ⓱ to confirm.

8 Push to blue or green to select »Pin Amplification«. Push to yellow. Push to red or yellow to adjust the pin amplification. Press the joystick ⓱ to confirm.

For both RGB-IN and PC-IN

9 Press MENU ⓯ to restore the normal TV picture.

! The settings in PC-IN SETUP are stored according to the connected equipment.

Setting up NexTView and Your VCR

depending on availability

(only necessary if you skipped the setting up of NexTView in the »Basic Presetting«-section, page 44 or if you wish to change the setting)

1 Press MENU ⓯.

2 Push the joystick ⓱ to blue or green to select the symbol 🧰 on the menu screen. Push to yellow to confirm.

3 Push to blue or green to select »Installation«. Push to yellow to confirm.

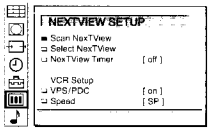
4 Push to blue or green to select »NexTView Setup«. Push to yellow to confirm.

5 Press the joystick ⓱ to activate »Scan NexTView«.
Now all available channels are scanned to register if they support NexTView.

6 Push to blue or green to select »Select NexTView«. Push to yellow to enter. Push the joystick ⓱ to blue or green to select the NexTView provider of your choice. Press the joystick ⓱ to store.

7 Push the joystick ⓱ to blue or green to select »NexTView Timer«. Push to yellow to enter. Push repeatedly to green to select one of the 3 possible settings:
off - on NexTView data is collected
always - as soon as the TV is in standby-mode, data is collected
time - push repeatedly to blue or green to select the time from when on you wish the TV to collect data.

8 Press the joystick ⓱ to confirm your selection.



continued >>>

Inputting Your Personal ID

You have the possibility to input a safety code. This will help to re-identify a stolen TV set as your own.

! Once you have stored the ID you can never again change this setting.

1 Press MENU ⓯.

2 Push the joystick ⓱ to blue or green to select the symbol 🧰 on the menu screen. Push to yellow to confirm.

3 Push to blue or green to select »Installation«. Push to yellow to confirm.

4 Push to blue or green to select »Personal ID«. Push to yellow to confirm.

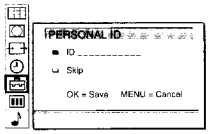
5 a) You want no Personal ID:
Push to blue to select »Skip«. Press the joystick ⓱ to confirm. Now you are back in the Installation menu.

or

b) You wish to select your Personal ID:
Push to yellow to enter »ID«. You have a total of 11 digits for your personal code.
Push to blue or green to select a letter (A–Z), a number (0–9) or »–« for a blank.
Push to yellow to go to the next digit.
Select the other characters in the same way.

6 Press the joystick ⓱ to store your ID or press MENU ⓯ to cancel. The stored ID appears on the screen.

7 Press MENU ⓯ to restore the normal TV picture.



Adjusting the Picture Rotation

If, due to the earth magnetism, the picture slants, you can use this function to readjust the picture.

1 Press MENU ⓯.

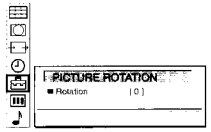
2 Push the joystick ⓱ to blue or green to select the symbol 🧰 on the menu screen. Push to yellow to confirm.

3 Push to blue or green to select »Installation«. Push to yellow to confirm.

4 Push to blue or green to select »Picture Rotation«. Push to yellow to confirm.

5 Push to yellow. Push to blue or green to adjust the picture rotation. The adjusting range is - 4 to + 4. Press the joystick ⓱ to confirm.

6 Press MENU ⓯ to restore the normal TV picture.



Advanced TV operation

Adjusting the Picture and Sound

Joystick

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste.

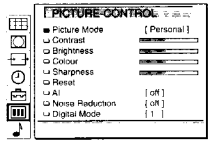
1 Press ⓲ (for Picture) or ♪⓮ (for Sound)
or
Press MENU ⓯.
Push the joystick ⓱ to blue or green to select 🎚 for Picture Control or ♪ for Sound Control. Push to yellow to confirm. The menu PICTURE CONTROL or SOUND CONTROL appears.

2 Push to blue or green to select the desired item. Push to yellow to confirm.

3 Push to red or yellow to adjust the selected item. Press the joystick ⓱ to confirm. For the effect of each control, see the following tables.

4 Repeat steps 2 and 3 to adjust other items.

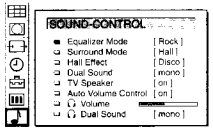
5 Press MENU ⓯ to restore the normal TV picture.



Picture Control

Item	Effect
Picture Mode	• Personal ⟶ Economy (energy saving setting) ⟶ Live ⟶ Sports ⟶ Movie ⟶ Game
Contrast	• Less ——|—— More
Brightness*	• Darker ——|—— Brighter
Colour*	• Less ——|—— More
Hue**	• Greenish ——|—— Reddish
Sharpness*	• Softer ——|—— Sharper
Reset	• Resets picture to the factory preset levels
AI	• Off: Normal On: Automatic optimization of contrast level according to TV signal
Noise Reduction	• Off: Normal On: Reduction of picture noise in case of weak signals
Digital Mode	• 1: Normal 2: LFR (Line Flicker Reduction) off

* Only if »Personal« or »Economy« is selected in »Picture Mode«.
** Available for NTSC colour system only.


SOUND CONTROL
Equalizer Mode [Rock]
Surround Mode [Hall]
Hall Effect [Disco]
Dual Sound [mono]
TV Speaker [on]
Auto Volume Control [on]
Volume
Dual Sound [mono]

Sound Control

Item	Effect
Equalizer Mode	• See page 55 for details
Surround Mode	• Off: normal ⟶ Pro Logic or Virtual (depending on setting) ⟶ Hall
Hall Effect (only if Hall is on)	• Choice between different hall effects Church ⟶ Hall ⟶ Stadium ⟶ Disco
Dual Sound	• A: channel 1 or B: channel 2 Stereo ⟶ Mono
TV Speaker	• On: when using the TV speakers Off: when using the speakers of a stereo system
Auto Volume Control	• On: volume level of a channel stays the same, e.g. in case of advertisements Off: volume level of a channel changes according to broadcast
Headphones	
∩ Volume	• Less ——|—— More
∩ Dual Sound	• A: channel 1 or B: channel 2 ⟶ PAP (if PAP is switched on, you can select the PAP sound for the headphones) ⟶ Stereo ⟶ Mono

Using the Graphic Equalizer

Using this function you can individually adjust the sound by cutting and boosting selected frequencies. Also you can select between the following settings:

Flat → User → Vocal → Jazz → Rock → Pop

1 Press MENU ⓯.

2 Push the joystick ⓱ to blue or green to select the symbol ♪ on the menu screen. Push to yellow to confirm.

3 Push to blue or green to select »Graphic Equalizer«. Push to yellow to confirm.

4 Push to yellow. The colour of »Mode« changes. Push to blue or green to select the mode you want.

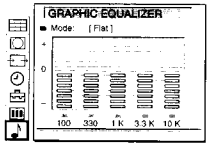
5 If you want to modify a mode, push repeatedly to yellow until the desired bar of a frequency band changes colour. Push to blue or green to change the level of a bar. In this way you can adjust all 5 graphic bars.

! The »Flat« mode is fixed and cannot be modified.

6 Press the joystick ⓱ to store the adjustment.

7 Press MENU ⓯ to restore the normal TV picture.

Joystick



Selecting Nicam Broadcasts*

This Sony TV has been designed to select Nicam broadcasts when available. Whenever a Nicam broadcast is received, »NICAM« appears briefly on the screen.

Niam programmes can be broadcast in two ways. You may select the sound you want to hear in either of these by first following the instructions explained on page 54.

Service Being Broadcast	Action	Effect
Stereo	Push Joystick ⓱ to blue or green	Stereo Nicam (mono 2-channel) mono
Push to blue or green again to return to stereo Nicam (mono 2-channel)		
Bilingual	Push Joystick ⓱ to blue or green	Channel A Nicam Channel B Nicam Mono
Push to blue or green again to return to channel A Nicam		

*Depending on availability of service

Presetting Dolby Surround

To enjoy Dolby Surround encoded programmes, preset the setting »Surround Mode« in the menu »Sound Control« to »Pro Logic« or »Virtual«. After the end of the broadcast make sure to return the setting to »Off«, otherwise the TV selects automatically »Pro Logic« or »Virtual« when receiving the next stereo broadcast.

1 Press button ♪ ⓮ on the Remote Commander.

2 Push joystick ⓱ to blue or green to select »Surround Mode«. Push to yellow to confirm.

3 Push to green or blue to select »Pro Logic« or »Virtual«. Press the joystick ⓱ to confirm.

4 Press MENU ⓯ to restore the normal TV picture.

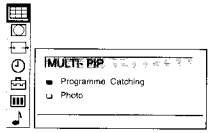
Using »Multi PIP«

Joystick

Using »Multi PIP« you can scan 12 successive TV channels on the screen (Programme Catching) or display 11 successive freeze pictures on the screen (Photo Mode).

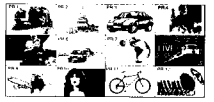
1 Press MENU ⓯.

2 Push joystick ⓱ to blue or green to select the symbol ⊞ on the menu screen. Push to yellow to confirm.



a) Programme Catching

Push to blue or green to select »Programme Catching«. Press the joystick ⓱. Now a scan of 12 successive programmes (11 still pictures, 1 live picture where the cursor is positioned) is displayed on the screen starting from the programme tuned in. Pushing the joystick to blue, green, red or yellow you can move the cursor in all directions and update the still pictures. When selecting a programme position lower or higher than the 12 displayed ones the programme scanning starts again. Press MENU ⓯ to restore the normal TV picture.

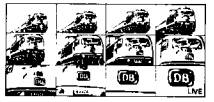


Selecting a programme using Programme Catching:

Push the joystick ⓱ to blue, green, red or yellow to select the programme position you want, then press the joystick ⓱. Now the selected programme appears and you are back in the normal TV mode.

b) Photo mode

Push to blue or green to select »Photo mode«. Press the joystick ⓱. Now the main picture is displayed as a succession of 11 still pictures and a 12th picture, which is live. Push to blue or green to start the photo mode again. Press the joystick ⓱ to restore the normal TV picture.



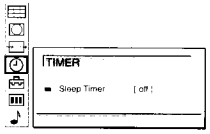
Using the Sleep Timer

This function enables you to select a time period after which the TV automatically switches into standby mode.

1 Press MENU ⓯.

2 Push joystick ⓱ to blue or green to select the symbol ◴ on the menu screen. Push to yellow to confirm.

3 Push to yellow. Push to blue or green to select the time. OFF → 15 min → 30 min .....3.45 h → 4 h. Press the joystick ⓱ to confirm.



! One minute before the TV switches into standby mode, a message is displayed on the screen.

4 Press MENU ⓯ to restore the normal TV picture.

Operating Screen Mode

Using Screen Mode you can change the aspect ration of the screen for wide screen effects, operate PAP (picture and picture) or reproduce the main picture image by image (Strobe function).

1 Press MENU ⓯.

2 Push joystick ⓱ to blue or green to select the symbol ▣ on the menu screen. Push to yellow to confirm.

3 Push to blue or green to select »Screen Mode«. Push to yellow to confirm. Push to blue or green to select one of the following modes:

- Smart - imitation of wide screen effect (16:9) for 4:3 broadcasts.
- AutoWide - automatic selection of the optimum screen ratio (e.g. 4:3 picture automatically changes to Smart mode, 16:9 picture changes to Zoom mode)
- Wide - for 16:9 broadcasts
- Zoom/PAL Plus - imitation of wide screen effect (16:9) for movies broadcast in cinemascopic format.
- 14:9 - compromise between 4:3 and 16:9 format
- 4:3 - conventional 4:3 picture

Press the joystick ⓱ to confirm the selection.

4 Only in Zoom/Auto Wide Mode: Changing the Screen position
In Zoom mode parts ot the top and bottom of the picture are cut off. Using »Screen position« you can move the screen up- or downwards in order to see the cut-off parts (e.g. to read subtitles). Push to blue or green to select »Screen position«. Push to yellow to confirm.
Push to blue or green to adjust the screen position (Zoom: -10 to +10 Auto Wide: -5 to +5). Press the joystick ⓱ to confirm.

5 Strobe Mode
Push to blue or green to select »Strobe«. Push to yellow to confirm. The TV picture is now displayed image by image, creating a slow motion effect. Push to blue or green to select the speed of the motion. Press the joystick ⓱ to restore the normal TV picture.

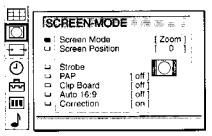
6 PAP (picture and picture)
Push to blue or green to select »PAP«. Push to yellow to confirm. Push to blue or green to select:
1 – PAP screen in 8:9 format, 2 – PAP screen in 4:3 format, Off – PAP switched off
Press joystick ⓱ to confirm.

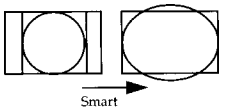
7 Clipboard
Push to blue or green to select »Clipboard«. Push to yellow to confirm. Push to blue or green to select »On« to freeze the PAP screen or »Off« for normal picture. Press joystick ⓱ to confirm.

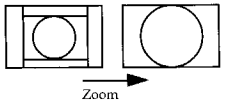
8 Auto 16:9
Push to blue or green to select »Auto 16:9«. Push to yellow to confirm. Push to blue or green to select »On« for automatic selection of format or PAL plus in case of PAL plus broadcast or »Off« for normal mode. Press joystick ⓱ to confirm.

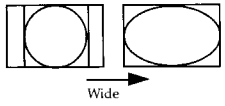
9 Correction (only for Auto 16:9 on)
In case of automatic format detection there are two possibilities for 4:3/14:9 signals: Set Correction to »on« if you wish Smart mode to appear on the screen or set it to «off« if you prefer 4:3/14:9 mode. Push blue or green to select »Correction«. Push to yellow to confirm. Push to blue or green to select »On« or »Off«. Press joystick ⓱ to confirm.

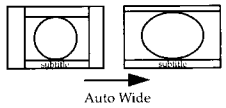
10 Press MENU ⓯ to restore the normal TV picture.




Smart


Zoom


Wide


Auto Wide

PAP (Picture and Picture)

With PAP you can view two programmes simultaneously (e.g. two TV channels or a video source and a TV channel). The left screen is the main screen with the sound from the speakers, the right screen is the sub screen with the sound selectable via headphones.

! While in PAP-mode, no PC-IN can be selected

Switching PAP on and off

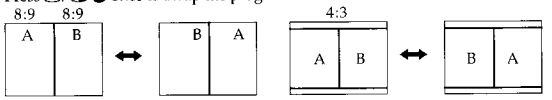
Press ◔/◨ ❾ once to display the screens in format 8 : 9, twice to display the screens in format 4 : 3 and three times to switch PAP off.

Selecting a PAP source

Press ⬆ ⓬.
The symbol ⬆ appears in the sub screen. Select the PAP source using PROGR +/– ㉙, the number buttons ㉘ or ⮌ ⓴ (for a video source).

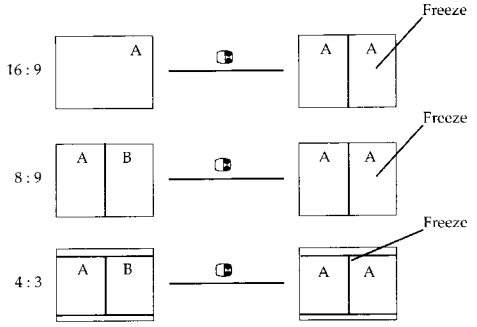
Swapping screens

Press ◔/◨ ❿ once to swap the programmes of the main and sub screens.



Freezing the picture of the sub screen

Press ◨ ❼ once to freeze the sub screen, twice to return to the normal live picture.



— 14 —

Teletext

Most TV channels broadcast information via teletext. The index page of the broadcaster (usually page 100) informs you about how to use the service. Make sure to use a TV channel with a strong signal, otherwise teletext errors may occur.

Direct Access Function

Switching Teletext on and off

1 Select the TV channel which carries the teletext service you want to view.

2 Press ⓔ ❺ once for P&T (Picture and Teletext). The normal TV screen is displayed on the left, the Teletext screen on the right.
Press ⓔ ❺ twice to get Teletext only.
Press ⓔ ❺ three times for Mix mode. The normal TV screen and the Teletext screen are overlapped.

3 Press ▢ ❻ to switch Teletext off.

P&T-Mode
When in P&T-mode you can watch one channel on the left side of the screen and select the teletext service of the right channel. Press ◔/◑ ❾ to switch PAP on.
Press ↑ ⓬ and the programme number to select the desired PAP source.
Press ⓔ ❺ to display Teletext.

Selecting a Teletext page

Direct Page Selection
Use the number buttons ㉘ to input three digits of the page number.
If you have made a mistake: Type in any three digits, then reenter the correct page number.

Page Catching
1 Select a teletext page with page numbers (e.g. index page).

2 Press the joystick ⓱. »Page Catching« is displayed at the top of the page.
Push the joystick ⓱ to blue or green to select the page you want.
Press the joystick ⓱. The requested page is displayed after some seconds.

Accessing the next or preceding page

Press ▲ ㉖ (Page +) or ▼ (Page -).

Freezing a teletext subpage

Press ⓔ ⓴. The symbol ⓔ is displayed.
Press ⓔ ❺ to resume normal teletext reception.

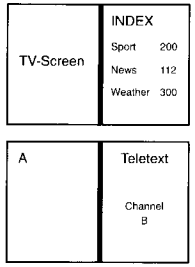
Revealing hidden information (e.g. for a quiz)

Press ? ⓳. Press again to cancel.

Using Fastext

(only available, if the TV station broadcasts Fastext signals)

With Fastext you can access pages with one key stroke. When Fastext is broadcast, a colour-coded menu appears at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue marks on the Remote Commander. Push the joystick ⓱ to the colour mark which corresponds to the colour-coded menu. The page is displayed after some seconds.



Joystick

Using the Teletext Menu

Your TV is provided with a menu-guided teletext system. When teletext is switched on, you can use the buttons for menu operation to operate the teletext menu.
Select the teletext menu functions as follows:

1 Press MENU ⓰. The menu is superimposed on the teletext display.

2 Push the joystick ⓱ to blue or green to select the teletext function you want.
Push to yellow to confirm the selection.

USER PAGES/PRESET USER PAGES
See page 62 for information about presetting and operating the user pages.

INDEX
The index gives you an overview of the contents of the teletext you are using.

TOP/BOTTOM/FULL
For convenient reading of a teletext page you can enlarge the teletext page. After selecting the function, an information line »↑ Top ↓ Bottom OK Full« is displayed. Push joystick ⓱ to green to enlarge the upper half, push to blue to enlarge the lower half. Press the joystick ⓱ to resume the normal display. Press ⓔ ❺ to resume normal teletext reception.

TEXT CLEAR
After selecting the function, you can watch a TV programme while waiting for a requested teletext page to be captured. When the page is available, the symbol ⓔ changes colour. Press ⓔ ❺ to view the requested page.

SUBTITLES
Check with your teletext service for information about subtitled TV programmes. After selecting the function the subtitles are displayed.

TIME PAGE
Check with your teletext service about the availability of time coded pages. If available, you can call up a page (e.g. an alarm page) at a certain time.

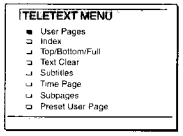
1 Select TIME PAGE in the teletext menu.
Push joystick ⓱ to yellow. An information window is displayed. Push to blue or green to select »On«. Push to yellow.

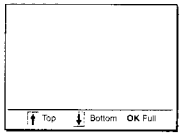
2 Use the number buttons ㉘ to enter the three digits of the page you want (e.g. 301). Push to yellow after each digit.

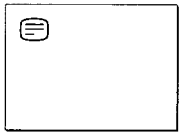
3 Use the number buttons ㉘ to enter the four digits of the desired time (e.g 18-54). Push to yellow after each digit. Press joystick ⓱ to confirm. Press MENU ⓰. The time is displayed in the top left-hand corner of the screen.
At the requested time the page is displayed.

SUBPAGE
Using this function you can select a particular teletext page from several subpages (e.g. page 2 of 6 pages in total). After selecting the function an information line is displayed. Use the number buttons ㉘ to enter the four digits (e.g. enter 0002 for the second page of a sequence).
To cancel the request: Press number button »0« ㉘ four times.

Joystick







Optional Equipment

Connecting Optional Equipment

You can connect a wide range of optional equipment to your TV. Refer to the illustrations on the back lap page of this Instruction Manual.

Symbol	Acceptable input signals	Available output signals
1	Normal audio/video and RGB	Audio/video from TV tuner
2/2	Normal audio/video and S video	Audio/video from selected source
3, 3	Normal audio/video and S video	No output
4, 4	Normal audio/video and S video	Audio/video from screen (monitor out)
PAL plus	No inputs	PAL Plus Signal or YC Signal, audio out
PC	VGA signal from PC	No output
	Audio from PC	No output

About S video input
Video signals may be separated into Y (luminance) and C (chrominance) signals. Separating the two signals prevents interference and thus improves the picture quality.

! If the picture or sound is distorted, move the VCR away from the TV. When connecting a monaural VCR, connect only the white jack to both the TV and VCR.

Selecting Input and Output Signals

a) Direct Access Buttons

Selecting the Input
Press 20 E repeatedly to select one of the following input modes (depending on setting in AV-Preset):

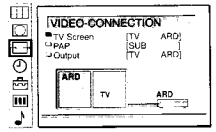
Symbol on the screen	Input signals	
1 or	Audio/video through Euro AV connector	L
	RGB through Euro AV connector	L
2 or	Audio/video through Euro AV connector	M
2	S video through Euro AV connector	M
3 or	Audio/video through the phono jacks	C
3	S video through the 4 pin DIN	B
4 or	Audio/video through Euro AV connector	N
4	S video through Euro AV connector	N
1 PC IN 1	VGA through VGA-connector	P
2 PC IN 2	VGA through VGA-connector	H

Press 6 to restore the normal TV picture.

Selecting the Output from Euro AV connector 2/2 M
Press 19 repeatedly to select one of the following output sources for the connector 2/2 M:

Symbol on the screen	2/2 M connector output signal	
1	Audio/video from Euro AV connector	L
2	Audio/video from Euro AV connector	M
2	Audio/video from Euro AV connector	M
3	Audio/video from the phono jacks	C
3	Audio/video from the 4 pin DIN	B
4	Audio/video through Euro AV connector	N
4	Audio/video through Euro AV connector	N
TV	Audio/video from the aerial terminal	T

b) Using the Menu »Video Connection«

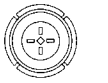


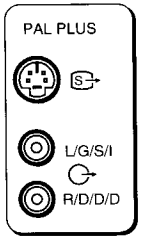
1 Press MENU 15.
2 Push joystick 17 to blue or green to select the symbol on the menu screen. Push to yellow to confirm.
3 Push to blue or green to select »TV screen« (input source for TV-screen), PAP (source for PAP sub screen), or »Output« (output source for 2/2 M). Push to yellow to confirm.
You can select between the following sources:
• TV: TV-tuner • YC: S video signal • AV: Audio/Video • Sub: 2nd TV-tuner

TV screen:	TV, AV1, RGB, AV2, YC2, AV3, YC3, AV4, YC4, PC IN 1, PC IN 2
PAP:	Sub, AV1, AV2, YC2, AV3, YC3, AV4, YC4
Output:	TV, AV1, AV2, YC2, AV3, YC3, AV4, YC4

4 Push to blue or green to select the desired source. Press the joystick 17 to store.
5 Press MENU 15 to restore the normal TV picture.

Joystick





PAL Plus Terminals

Using the terminals O you can record a PAL Plus decoded signal with a conventional PAL VCR while watching a PAL Plus broadcast.

! • Make sure to have PAP, Multi PIP, Clipboard and Picture and Text switched off during the recording.
• Should there be no PAL Plus signal when recording, the Y/C-signal is output from the PAL Plus terminal.

Smartlink

With Smartlink your TV can »communicate« with a connected VCR.
Smartlink works if:

- Your VCR supports Smartlink, NEXTVIEWLINK, Easy Link or Megalogic.
- You connect the VCR to AV2 using a fully-wired 21-pin scart cable.

Smartlink offers you
- Tuning information such as the programme table can be downloaded from the TV to the VCR.
- Using NexTView you can programme your VCR.
- Direct TV recording: While watching TV you only need to press one button on the VCR to record this programme.
When you press »play« on your VCR, your TV is automatically switched on from standby mode.

! For detailed information please refer to the Instruction Manual of your VCR.

Remote Control of other Sony Equipment

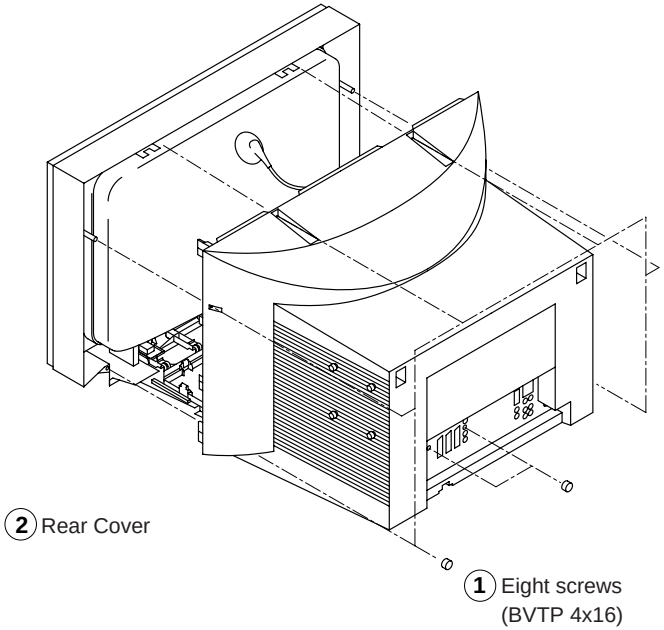
Using the buttons 2 on the Remote Commander you can control other Sony equipment.

1 Set the selector VTR 1 2 3 MDP according to the equipment you want to control.
VTR 1: Beta VCR
VTR 2: 8mm VCR
VTR 3: VHS VCR
MDP: Video Disk Player
2 Use the buttons 2 on the Remote Commander to operate the equipment.

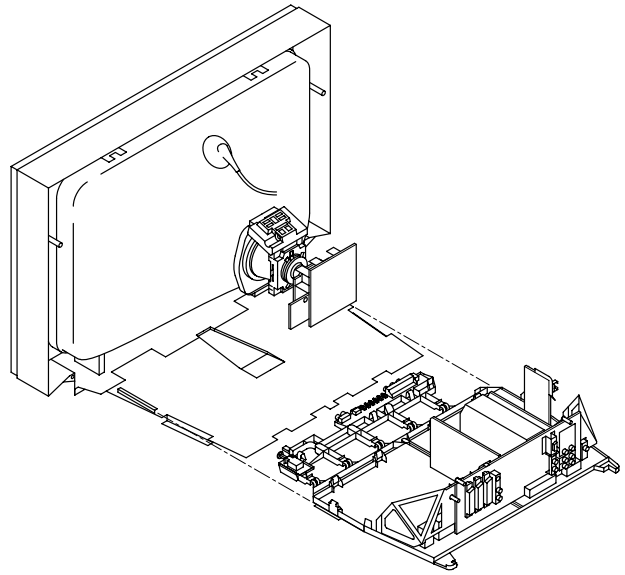
Tips
- If your video equipment has a COMMAND MODE selector, set this selector to the same position as the VTR 1 2 3 MDP selector on the TV Remote Commander.
- If the equipment does not have a certain function, the corresponding button on the Remote Commander does not work.

SECTION 2
DISASSEMBLY

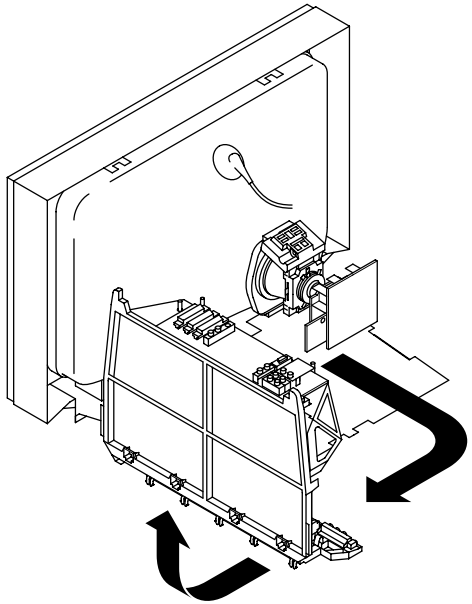
2-1. REAR COVER REMOVAL



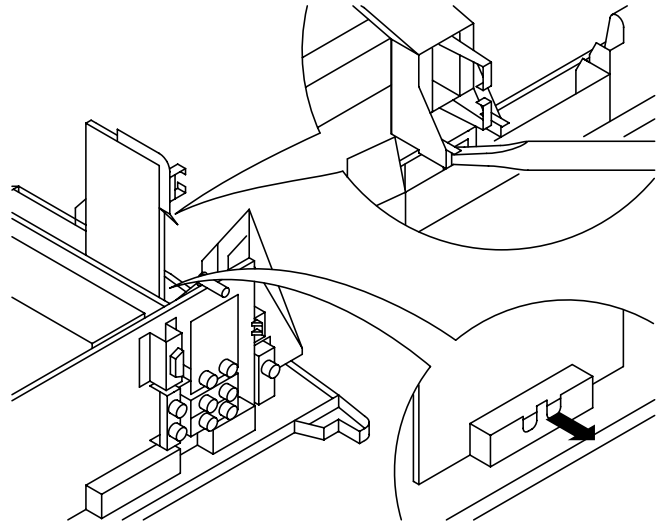
2-2. CHASSIS ASSY REMOVAL



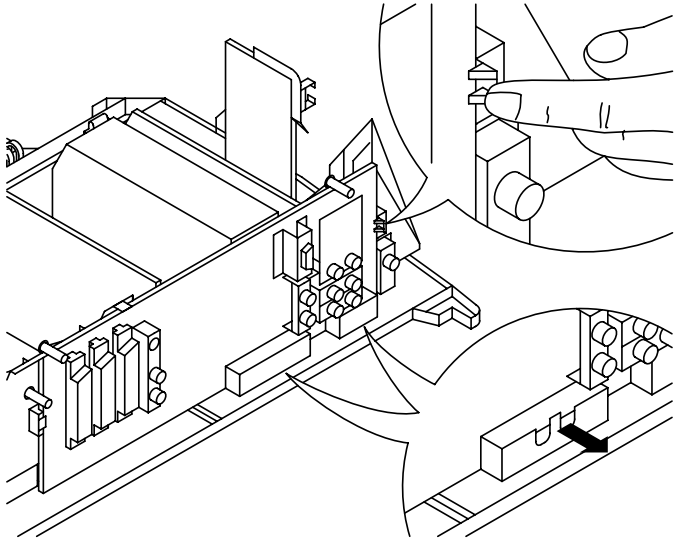
2-3. SERVICE POSITION



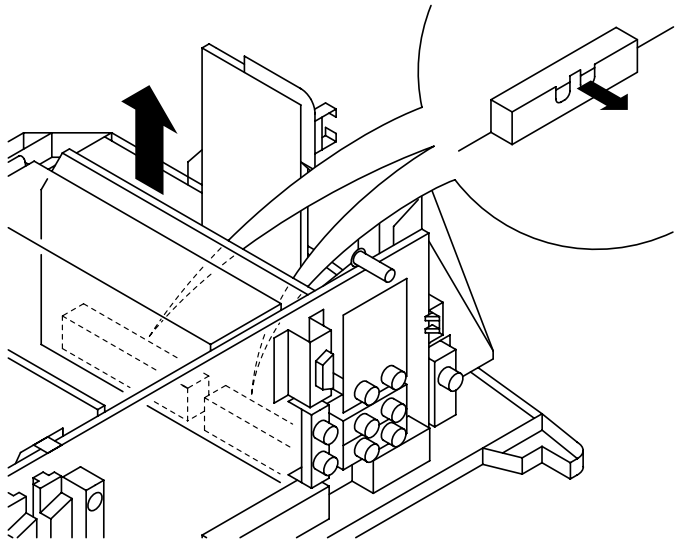
2-4. A1 BOARD REMOVAL



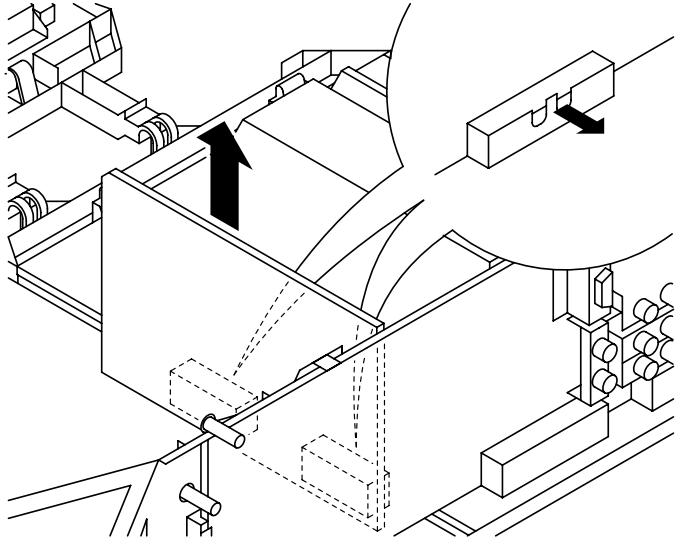
2-5. J BOARD REMOVAL



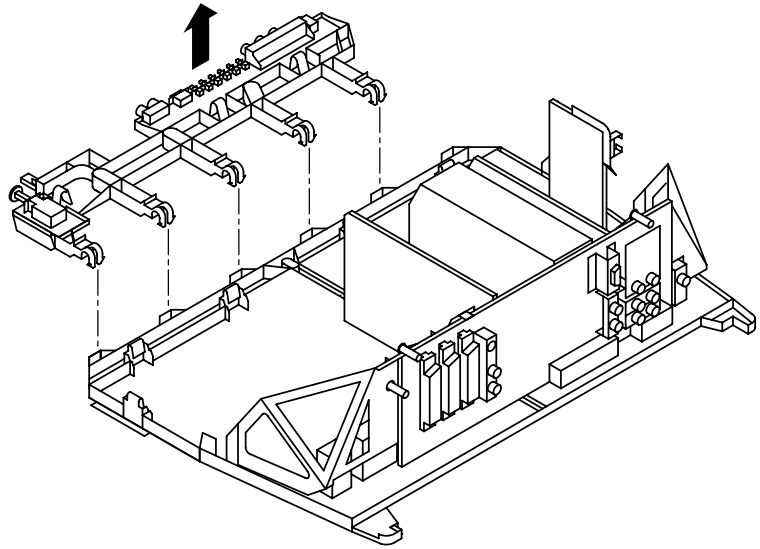
2-6. B BOARD REMOVAL



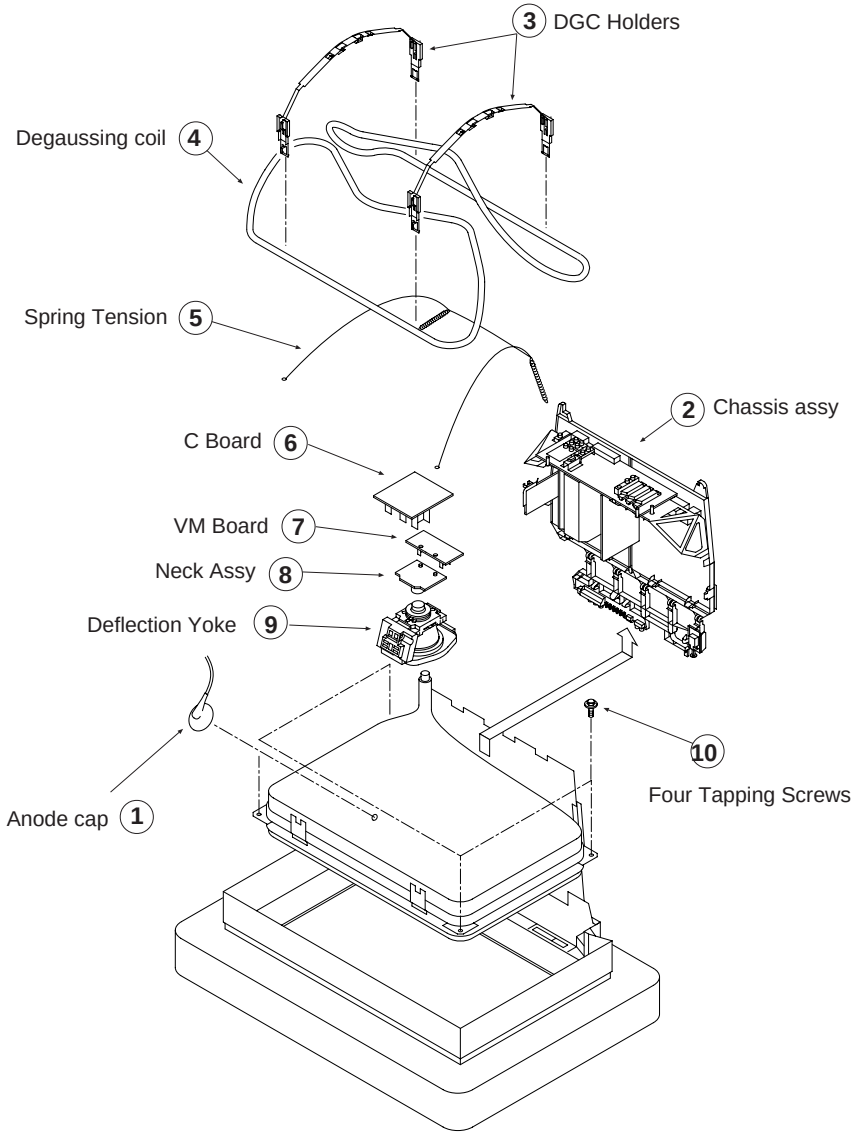
2-7. D1 BOARD REMOVAL



2-8. H BRACKET REMOVAL



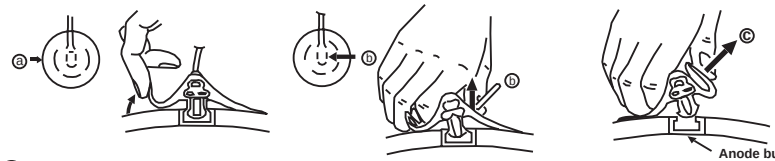
2-9. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

Note: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

*** REMOVING PROCEDURES.**



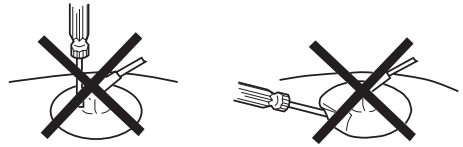
① Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ

② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⓑ

③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ⓒ

• HOW TO HANDLE AN ANODE-CAP

Don't damage the surface of anode-cap with sharp shaped material !
Don't press the rubber hardly not to hurt inside of anode-caps !
A metal fitting called as shatter-hook terminal is built into the rubber.
Don't turn the foot of rubber over hardly !
The shatter-hook terminal will stick out or damage the rubber.



SECTION 3
SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustment with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches as follows.

Contrast ..... normal
Brightness ..... normal

- Carry out the following adjustments in this order:

3-1. Beam landing
3-2. Convergence
3-3. Focus
3-4. White balance

Note: Testing equipment required.
1. Color bar/pattern generator
2. Degausser
3. Vector scope

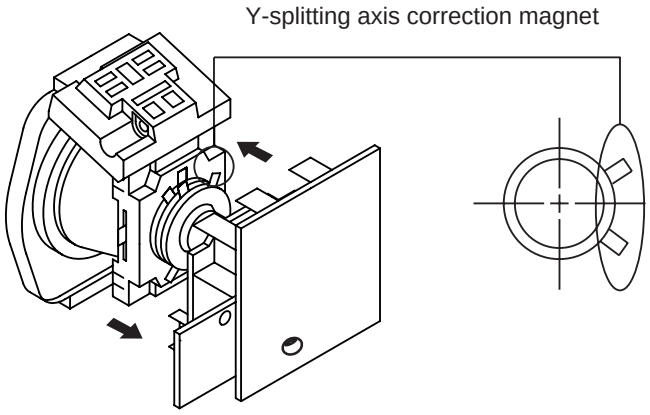
3-1. BEAM LANDING

Preparation:

1. In order to reduce the influence of geomagnetism on the set's picture tube face it in an easterly or westerly direction.
2. Switch on the set's power and degauss with the degausser.

(1) Adjustment of Correction Magnet for Y-Splitting Axis

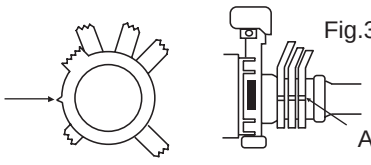
1. Input a crosshatch signal from the pattern generator.
2. Picture control is minimum and brightness control is still normal.
3. Position the neck assy as shown in Fig. 3-2.
4. Move the deflection yoke forward to touch the CRT and it stands up rightly.
5. Adjust the upper pin and the lower pin symmetrically by opening or closing the Y-splitting axis correction magnets on the neck assy.
6. Return the deflection yoke to its original position.



(2) Landing

Note: Before carrying out the following adjustments adjust the magnets as indicated below (See Fig.3-3).

1. Input an all-white signal from the pattern generator. Maximize the picture setting and adjust the brightness setting.
2. Rough-adjust the focus and horizontal convergence.
3. Loosen the deflection yoke screws, align the purity adjustment knob to the central position. (See Fig. 3-1)
4. Switch from the all-white pattern to an all-green pattern.
5. Move the deflection yoke backwards and adjust with the purity magnet so that the green is at the center and it aligns symmetrically. (See Fig. 3-4)
6. Move the deflection yoke forward and adjust so that entire screen becomes green.
7. Switch the raster signal to red, then to blue and verify the landing condition.
8. When the position of the deflection yoke has been determined, fasten the deflection yoke with the screw.
9. If the beam does not land correctly in all the corners, use magnets to correct it. (See Fig. 3-5)



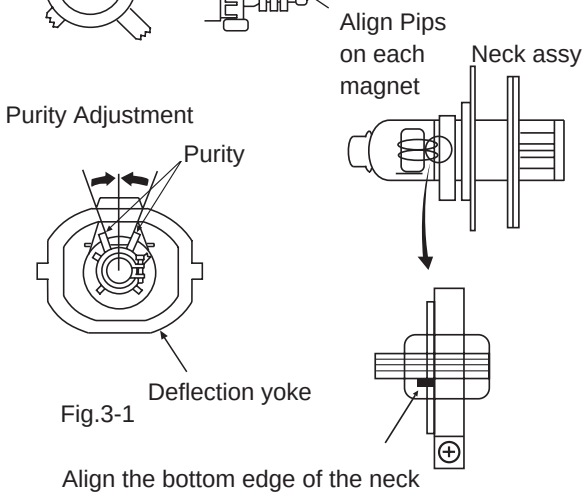


Fig.3-1

Align the bottom edge of the neck assy with the G3 hole center.

Fig.3-2

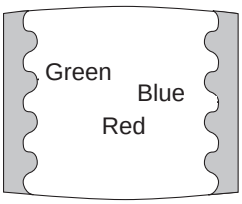


Fig.3-4

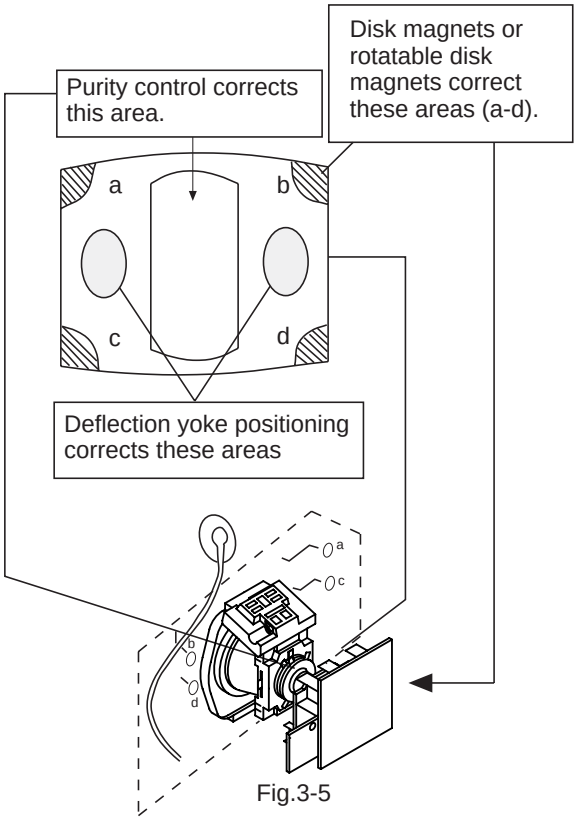
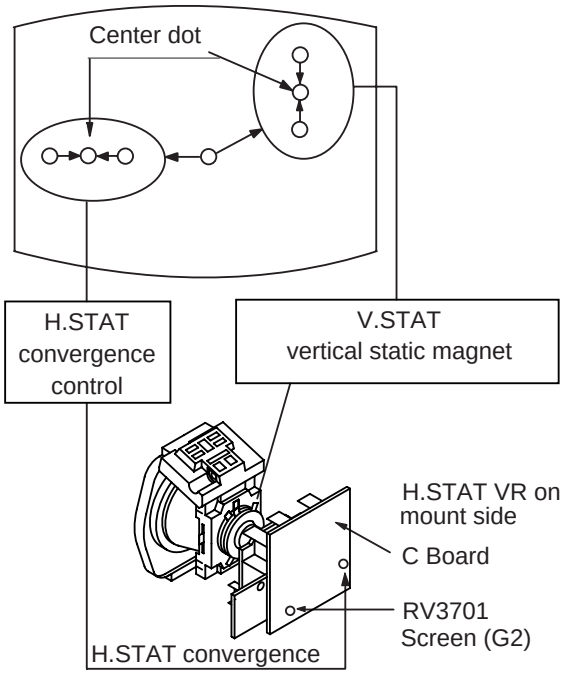


Fig.3-5

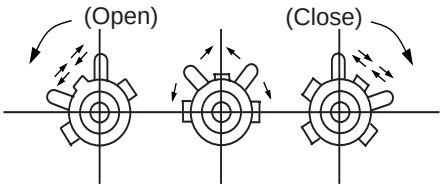
3-2. CONVERGENCE

(1) Screen center convergence (Static convergence)

1. Input a dot signal from the pattern generator. Normalize the picture setting.
2. (Moving horizontally), adjust the H.STAT control so that the horizontal red, green and blue dots coincide at the center of screen.
3. (Moving vertically), adjust the V.STAT magnet so that the vertical red, green and blue points coincide at the center of screen.

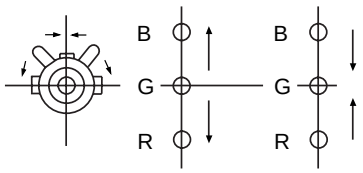


- If the horizontal dots are unable to coincide with the variable range of the H.STAT convergence, adjust together with the V.STAT convergence while tracking. (Adjust the convergence by tilting the V.STAT convergence or by opening or closing the V.STAT convergence.)

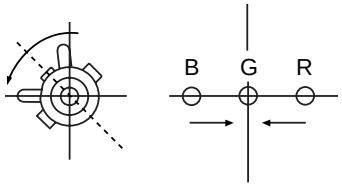


4. Movement of the red, green and blue dots by tilting the V.STAT magnet and by opening or closing the V.STAT magnet.

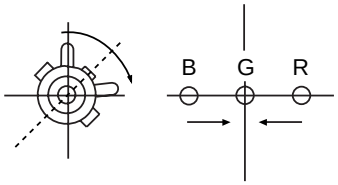
① By opening or closing the V.STAT magnet, the red, green and blue points move as shown below



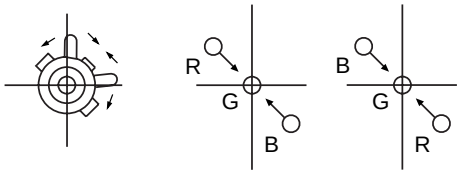
②By rotating the V. STAT magnet counterclockwise, the red, green and blue dots move as shown below.



③By rotating the V.STAT magnet clockwise, the red, green and blue dots move as shown below.



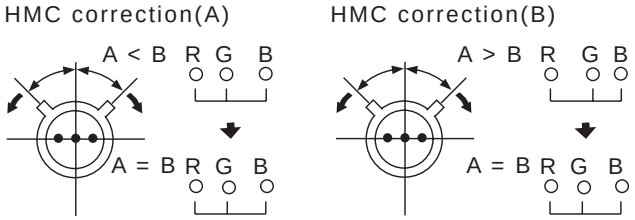
④By opening or closing the V.STAT magnet, the red, green and blue dots move as shown below.



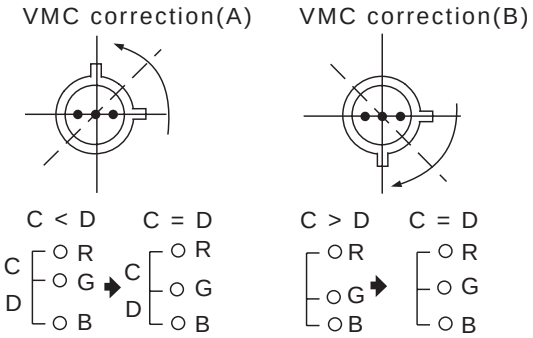
- If the blue dot does not coincide with the red and green points, correct the points by using the BMC (Hexapole) magnet.

⑤Correction for HMC (horizontal mis-convergence) and VMC (vertical mis-convergence) by using the BMC (Hexapole) magnet.

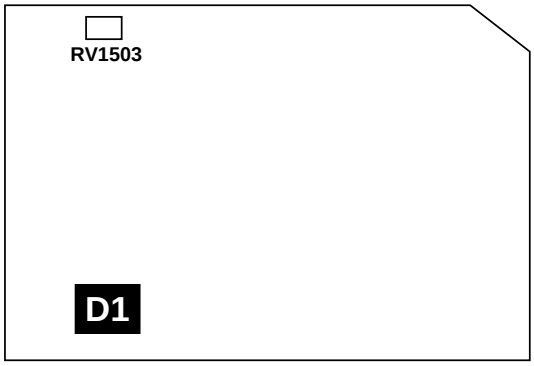
①HMC correction by BMC (Hexapole) magnet and movement of the electronic beam.



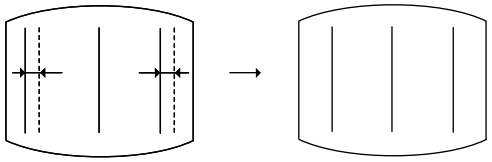
②VMC correction by BMC (Hexapole) magnet and movement of the electronic beam.



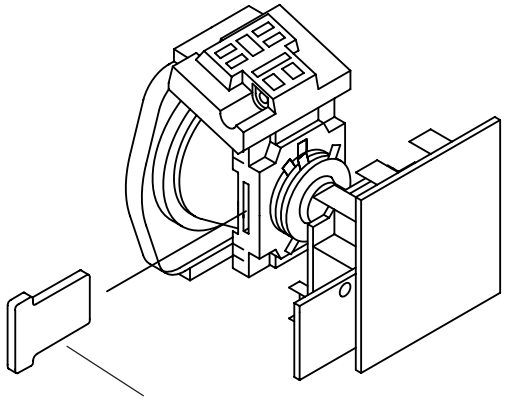
6 HAMP correction can be performed by adjusting RV1503 on the D1 board.



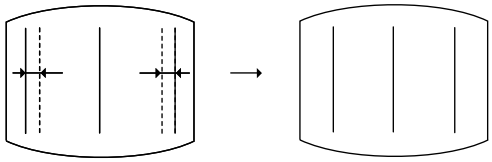
HAMP



7 HTIL correction can be performed by adding a TLH correction ASSY to the DY.



HTIL



Layout of each control

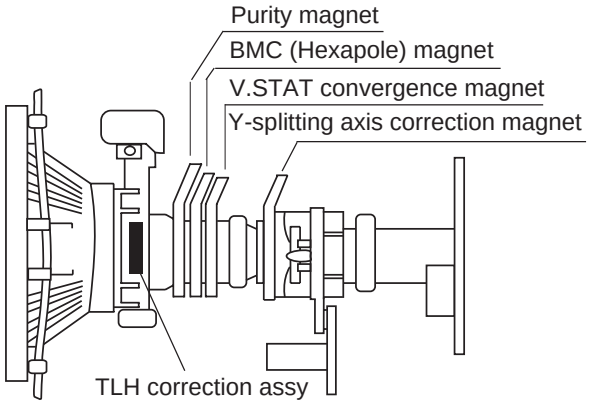
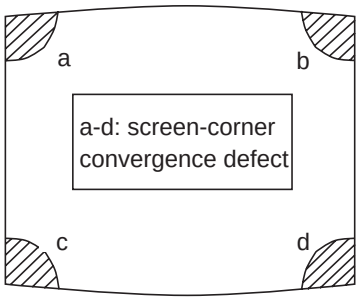
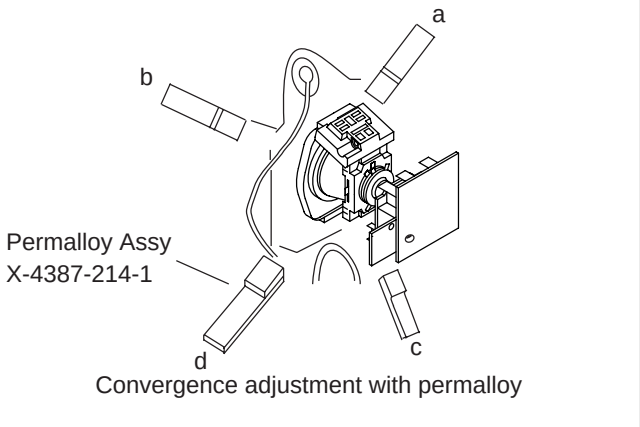


Fig.3-5

If you are unable to adjust the corner convergence properly, correct them with the use of permalloys.

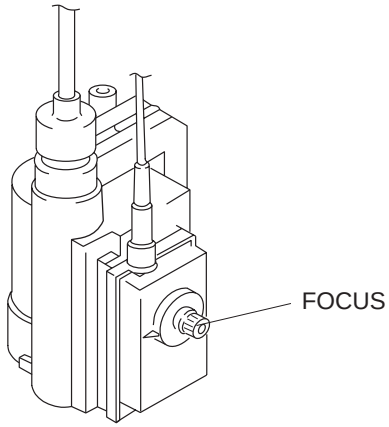




Convergence adjustment with permalloy

3-3. Focus

1. Receive a television broadcast signal.
2. Normalize the picture setting.
3. Adjust the focus control on the flyback transformer for the best focus at the center of the screen.
   Bring only the center area of the screen into focus, the magenta-ring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



3-4. Screen (G2), White balance (Adjustment in the service mode with remote commander)

G2 adjustment (RV701)

1. Input a dot signal from the pattern generator.
2. Set the Picture, Brightness and Colour to minimum.
3. Apply 170V DC from an external power supply to the R, G and B cathodes of the CRT.
4. While watching the picture, adjust the G2 control RV701 [SCREEN] on the C board to the point just before the return lines disappear.

White balance adjustment for TV mode

1. Receive an all-white signal.
2. Enter into the Service Mode by pressing ' TEST ', ' TEST ' and ' MENU' on the Service Commander.
3. Select ' MCP CXA2101 ' from the on screen menu display and press OK.
4. The ' MCP CXA2101' menu will appear on the screen.
5. Set picture to MAX.
6. Set the ' R DRIVE ' to 41.
7. Adjust the ' G DRIVE ' and ' B DRIVE ' so that the white balance becomes optimum.
8. Press the OK button to write the data for each item.
9. Set picture to MIN.
10. Set the ' R CUT-OFF ' to 32.
11. Adjust ' G CUT-OFF ', and ' B CUT-OFF 'with the left and right buttons so that the white balance becomes optimum.
12. Press the OK button to write the data for each item.

MCP CXA2101

Item No	Adjustment menu	Data Amount
1	RED	ON
2	GREEN	ON
3	BLUE	ON
4	CBLK	OFF
5	AKB T	OFF
6	BLK SW	OFF
7	DA TEST	OFF
8	HY SW	0
9	PICTURE	57
10	LIMIT LEVEL	1
11	HUE	31
12	SYSTEM	1
13	COLOR	31
14	AGE WHT	OFF
15	AGE BLK	OFF
16	BRIGHT	31
17	YS/YM SW	0
18	YM/VM SW	0
19	SHARPNESS	35
20	R DRIVE	41
21	D COL	0
22	CLP SW	1
23	G DRIVE	ADJ
24	B DRIVE	ADJ
25	CLP MSK	0
26	R CUT OFF	32
27	ABL MODE	2
28	G CUT OFF	ADJ
29	ABL TH	1
30	B CUT OFF	ADJ

White balance adjustment for VGA mode

1. Receive an all-white signal.
2. Enter into the Service Mode by pressing ' TEST ', ' TEST ' and ' MENU' on the Service Commander.
3. Select ' MCP SUB ADJUSTMENT ' from the on screen menu display and press OK.
4. The ' MCP SUB ADJUSTMENT' menu will appear on the screen.
5. Set picture to MAX.
6. Set the ' VGA G/W R DRIVE ' to 41.
7. Press the OK button to write the data.
8. Set picture to MIN.
9. Set the ' VGA G/W R CUT-OFF ' to 32.
10. Adjust ' VGA G/W G CUT-OFF ', and ' VGA G/W B CUT-OFF 'with the left and right buttons so that the white balance becomes optimum.
11. Press the OK button to write the data for each item.

MCP SUB ADJUSTMENT

Item No	Adjustment menu	Data Amount
1	VGA /GW R DRIVE	41
2	VGA /GW G DRIVE	ADJ
3	VGA /GW B DRIVE	ADJ
4	VGA /GW R CUT-OFF	32
5	VGA /GW G CUT-OFF	ADJ
6	VGA /GW B CUT-OFF	ADJ

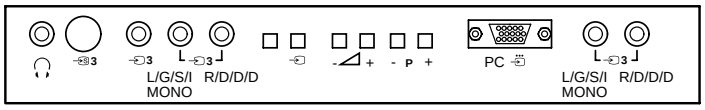
SECTION 4
CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander, RM-862.

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set while pressing the PROG + (plus) and PROG – (minus) buttons on the front panel.



2. "TT" will appear on the upper right corner of the screen.
3. Press " MENU " on the commander to get the service menu on screen.

DEVICES	
Init TV	
Sound	MSP3410D
Feature Box	C87654
Deflect Cont.	SDA9361
Deflect Cont.Subadjust	
MCP	CXA2101
MCP Subadjustment	
Col Dec.Main	TDA9144
Col Dec.Sub	TDA9143
MID2	CXD2072Q
MID2 Subadjust	
DA	SDA9280
Line 23 Detection	
Sub Adjust	
Port Expander	
Auto Wide	CXA2053

4. Push the joystick up (green) or down (blue) on the remote commander to select the adjustment item.
5. Press the center button to proceed to the next menu.
6. If the adjustment item is 'MCP CXA2101', push the down button to move to 'MCP CXA2101'.
7. The Menu as indicated in Fig 4-3 will appear on the screen.
8. Move the joystick up or down to move to the adjustment item and press the center (OK) button.
9. Change the data in order to comply with each standard.

Item No	Adjustment menu	Data Amount
1	RED	ON
2	GREEN	ON
3	BLUE	ON
4	CBLK	OFF
5	AKB T	OFF
6	BLK SW	OFF
7	DA TEST	OFF
8	HY SW	0
9	PICTURE	57
10	LIMIT LEVEL	1
11	HUE	31
12	SYSTEM	1
13	COLOR	31
14	AGE WHT	OFF
15	AGE BLK	OFF
16	BRIGHT	31
17	YS/YM SW	0
18	YM/VM SW	0
19	SHARPNESS	35
20	R DRIVE	41
21	D COL	0
22	CLP SW	1
23	G DRIVE	ADJ
24	B DRIVE	ADJ
25	CLP MSK	0
26	R CUT OFF	32
27	ABL MODE	2
28	G CUT OFF	ADJ
29	ABL TH	1
30	B CUT OFF	ADJ
31	SUB BRT	ADJ
32	H SEP SEL	1
33	FIX SEL	0
34	V - TC	2
35	H WIDTH	0
36	HD TC	1
37	HS MASK	1
38	CB OFF SET 1	7
39	CR OFF SET 1	7
40	CB OFF SET 2	7
41	CR OFF SET 2	7
42	SUB CON	
43	SUB COL	5
44	SUB HUE	8
45	CEC LEV	2
46	R-Y/R	13
47	R-Y/B	15
48	G-Y/R	8
49	G-Y/B	4
50	L RGB2 LEVEL	0
51	GAMMA	8
52	PABL LEVEL	7

Fig. 4-3

SDA9361 (DEFLECT. CONT.)

	ITEM	TV MODE		SVGA MODE		VGA MODE	
		SMART	WIDE	WIDE	4:3	WIDE	4:3
1	V SIZE	✻	Adj(25)	✻	✻	✻	✻
2	V POSITION	✻	Adj(222)	✻	✻	✻	✻
3	V LINEARITY	✻	Adj(250)	✻	✻	✻	✻
4	S CORRECTION	✻	Adj(200)	✻	✻	✻	✻
5	H SIZE	✻	Adj(55)	✻	✻	✻	✻
6	PIN AMP	✻	Adj(189)	✻	✻	✻	✻
7	UPPER CORNER PIN	✻	Adj(76)	✻	✻	✻	✻
8	LOWER CORNER PIN	✻	Adj(80)	✻	✻	✻	✻
9	V BOW	✻	Adj(3)	✻	✻	✻	✻
10	PIN PHASE	✻	Adj(203)	✻	✻	✻	✻
11	V ANGLE	✻	Adj(5)	✻	✻	✻	✻
12	HDE	ON		ON		ON	
13	VRO	0		0		0	
14	RABL	ON		ON		ON	
15	BLK DIS	OFF		OFF		OFF	
16	F2*FH 2*LINE FREQ	ON		ON		ON	
17	STRY	OFF		OFF		OFF	
18	VERTICAL OFF	ON		ON		ON	
19	BSE BLK SELECT	ON		ON		ON	
20	SSE STAR	OFF		OFF		OFF	
21	SRSE STA	ON		ON		ON	
22	GBE GRUA	ON		ON		ON	
23	STE SCAN	OFF		OFF		OFF	
24	NSA SELF	ON		ON		ON	
25	V EHT	ADJ(186)		ADJ	ADJ	ADJ	ADJ
26	H EHT	ADJ(185)		ADJ	ADJ	ADJ	ADJ
27	H CENT	ADJ(32)		ADJ		ADJ	
28	PWM STAR	0		0		0	
29	D/A	0		0		0	
30	V BLK T	ADJ(21)		ADJ		ADJ	
31	H BLK T	ADJ(40)		ADJ		ADJ	
32	START V SCAN	0		0		0	
33	H BLANK PHASE	59		ADJ		ADJ	
34	V SCAN WIDTH 0	0		3		3	
35	V SCAN WIDTH 1	0		0		0	
36	GUARD BAND	0		0		0	
37	START REDUCED SCAN	0		0		0	
38	N FIELD	1		1		1	
39	NI NON INTERLACE	OFF		OFF		OFF	
40	NR VSYNC	OFF		OFF	OFF	OFF	OFF
41	SSC WITH VBL	ON		ON		ON	
42	MIN LINES / FIELD	0		0		0	
43	MAX LINES / FIELD	0		0		0	
44	AFC EHT	ADJ(55)		ADJ	ADJ(55)	ADJ	ADJ
45	PLL FREQ	6		6		6	
46	VCR	ON		ON		ON	
47	GEN MOD	OFF		OFF		OFF	
48	HS WID	ON		ON		ON	
49	INT H SYNC PHASE	ADJ(246)		ADJ		ADJ	
50	PWM WIDTH	0		0		0	
51	NOISY VCR	OFF		OFF		OFF	
52	KILL ZIP	OFF		OFF		OFF	
53	TC 3RD	OFF		OFF		OFF	
54	BANDG 4 OFF	OFF		OFF		OFF	
55	BANDG OFF	OFF		OFF		OFF	
56	BAND GAP 0	ADJ					

✻ REFER TO ' DEFLECT CONT. SUBADJUST ' MENU

DEFLECT CONT. SUBADJUST

Item No	Adjustment menu	Data Amount
1	SMART V SIZE OFF	25
2	SMART V CENTER OFF	222
3	SMART V LINEARITY OFF	250
4	SMART S CORRECTION OFF	200
5	SMART H SIZE OFF	61
6	SMART PIN AMP OFF	194
7	SMART UP CORNER PIN OFF	75
8	SMART LO CORNER PIN OFF	80
9	SMART V BOW OFF	3
10	SMART PIN PHASE OFF	203
11	SMART V ANGLE OFF	5
12	VGA 4:3 V SIZE OFF	-15
13	VGA 4:3 V CENTER OFF	229
14	VGA 4:3 V LINEARITY OFF	260
15	VGA 4:3 S CORRECTION OFF	191
16	VGA 4:3 H SIZE OFF	-57
17	VGA 4:3 PIN AMP OFF	172
18	VGA 4:3 UP CORNER PIN OFF	31
19	VGA 4:3 LO CORNER PIN OFF	35
20	VGA 4:3 V BOW OFF	3
21	VGA 4:3 PIN PHASE OFF	230
22	VGA 4:3 V ANGLE OFF	5
23	VGA 4:3 V EHT	156
24	VGA 4:3 H EHT	95
25	VGA 4:3 H CENTER	-51
26	VGA 4:3 V BLANK T	21
27	VGA 4:3 H BLANK T	47
28	VGA 4:3 H BLANK PHASE	59
29	VGA 4:3 AFC EHT	0
30	VGA 4:3 INT HSYNC PHASE	ADJ
31	VGA WIDE V SIZE OFF	-15
32	VGA WIDE V CENTER OFF	227
33	VGA WIDE V LINEARITY OFF	260
34	VGA WIDE S CORRECTION OFF	191
35	VGA WIDE H SIZE OFF	27
36	VGA WIDE PIN AMP OFF	184
37	VGA WIDE UP CORNER PIN OFF	84
38	VGA WIDE LO CORNER PIN OFF	110
39	VGA WIDE V BOW OFF	3
40	VGA WIDE PIN PHASE OFF	223
41	VGA WIDE V ANGLE OFF	6
42	VGA WIDE V EHT	166
43	VGA WIDE H EHT	135
44	VGA WIDE H CENTER	-52

Item No	Adjustment menu	Data Amount
45	VGA WIDE V BLANK T	21
46	VGA WIDE H BLANK T	47
47	VGA WIDE H BLANK PHASE	59
48	VGA WIDE AFC EHT	0
49	VGA WIDE INT HSYNC PHASE	ADJ 4
50	MID 4:3 V SIZE OFF	-15
51	MID 4:3 V CENTER OFF	229
52	MID 4:3 V LINEARITY OFF	260
53	MID 4:3 S CORRECTION OFF	191
54	MID 4:3 H SIZE OFF	-48
55	MID 4:3 PIN AMP OFF	172
56	MID 4:3 UP CORNER PIN OFF	31
57	MID 4:3 LO CORNER PIN OFF	35
58	MID 4:3 V BOW OFF	3
59	MID 4:3 PIN PHASE OFF	230
60	MID 4:3 V ANGLE OFF	5
61	MID 4:3 V EHT	156
62	MID 4:3 H EHT	95
63	MID 4:3 H CENTER	-51
64	MID 4:3 V BLANK T	21
65	MID 4:3 H BLANK T	47
66	MID 4:3 H BLANK PHASE	59
67	MID 4:3 AFC EHT	0
68	MID 4:3 INT HSYNC PHASE	ADJ 8
69	MID WIDE V SIZE OFF	-15
70	MID WIDE V CENTER OFF	230
71	MID WIDE V LINEARITY OFF	260
72	MID WIDE S CORRECTION OFF	191
73	MID WIDE H SIZE OFF	27
74	MID WIDE PIN AMP OFF	182
75	MID WIDE UP CORNER PIN OFF	84
76	MID WIDE LO CORNER PIN OFF	110
77	MID WIDE V BOW OFF	3
78	MID WIDE PIN PHASE OFF	223
79	MID WIDE V ANGLE OFF	5
80	MID WIDE V EHT	166
81	MID WIDE H EHT	135
82	MID WIDE H CENTER	-52
83	MID WIDE V BLANK T	21
84	MID WIDE H BLANK T	47
85	MID WIDE H BLANK PHASE	59
86	MID WIDE AFC EHT	0
87	MID WIDE INT HSYNC PHASE	ADJ 8

DEFLECTION SYSTEM ADJUSTMENT FOR TV

1. Enter into service menu and select "Deflect cont". The "Deflect cont SDA9361" adjustment menu will be displayed.
2. Select and adjust each item in Wide mode and Smart mode order to obtain the optimum image.
3. Enter into service menu and select "Deflect cont Subadjust". The "Deflect cont Subadjust" adjustment menu will be displayed.
4. Select and adjust "SMART PIN AMP OFF" in smart mode to obtain optimum image.
5. Enter into service menu and select "Port Expander". The "Port Expander" adjustment menu will be displayed.
6. Select and adjust "S-Cont" and "MP-Cont" in wide mode to obtain optimum image.
7. Select and adjust "Smart S-Cont" and "Smart MP-Cont" in smart mode to obtain optimum image.

DEFLECTION SYSTEM ADJUSTMENT FOR SVGA

1. Enter into service menu and select "Deflect cont". The "Deflect cont SDA9361" adjustment menu will be displayed.
2. Select and adjust each item in SVGA wide and 4:3 mode in order to obtain the optimum image.
3. Enter into service menu and select "Deflect cont Subadjust". The "Deflect cont Subadjust" adjustment menu will be displayed.
4. Select and adjust "MID 4:3 PIN AMP OFF" in SVGA 4:3 mode and "MID WIDE PIN AMP OFF" in SVGA wide mode to obtain optimum image.

DEFLECTION SYSTEM ADJUSTMENT

1. Enter into service menu and select "Deflect cont". The "Deflect cont SDA9361" adjustment menu will be displayed.
2. Measure the voltage at pin 18 of IC 2501 (A board).
3. Adjust item 56 "Band Gap 0" to obtain a voltage of 4.0V +/- 0.02V.

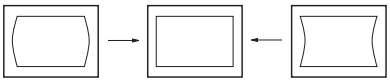
DEFLECTION SYSTEM ADJUSTMENT FOR VGA

1. Enter into service menu and select "Deflect cont". The "Deflect cont SDA9361" adjustment menu will be displayed.
2. Select and adjust each item in VGA wide and 4:3 mode in order to obtain the optimum image.
3. Enter into service menu and select "Deflect cont Subadjust". The "Deflect cont Subadjust" adjustment menu will be displayed.
4. Select and adjust "VGA 4:3 PIN AMP OFF" in VGA 4:3 mode and "VGA WIDE PIN AMP OFF" in VGA wide mode to obtain optimum image.
5. Enter into service menu and select "Port Expander". The "Port Expander" adjustment menu will be displayed.
6. Select and adjust "MID/VGA 4:3 MP-Cont" and "MID/VGA 4:3 S-Cont" in VGA 4:3 mode, and "MID/VGA WIDE MP-Cont" and "MID/VGA WIDE S-Cont" in VGA WIDE mode to obtain optimum image.
   ("MID/VGA 4:3 S-Cont" & "MID/VGA WIDE S-Cont" should only be adjusted for VGA mode. It is unnecessary to adjust these at SVGA mode.)

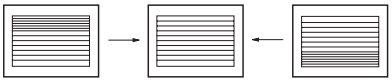
PORT EXPANDER

Item No	Adjustment menu	Data Amount
1	MCP U	255
2	MCP Y	255
3	MCP V	255
4	H-TRAP	128
5	V-PIN	128
6	V-CENTER	128
7	MP-CONT	177
8	S-CONT	15
9	PHA-FOCUS	128
10	SMART MP-CONT	159
11	SMART S-CONT	32
12	MID/VGA 4:3 MP-CONT	172
13	MID/VGA 4:3 S-CONT	28
14	MID/VGA WIDE MP-CONT	117
15	MID/VGA WIDE S-CONT	24

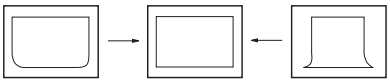
H PIN CUSH



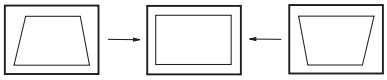
V LIN



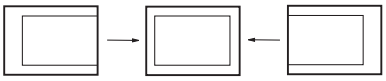
H LOWER COR



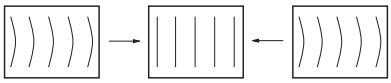
H TILT



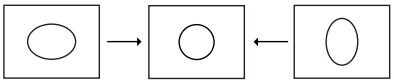
H POS



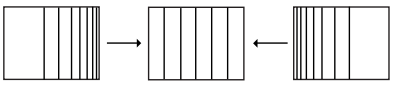
AFC V BOW



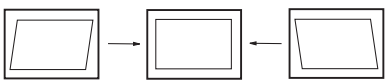
S-CONT (SMART MODE)



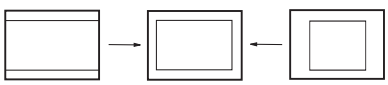
S-CONT



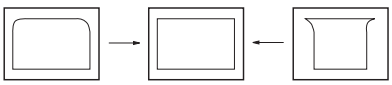
AFC V ANGLE



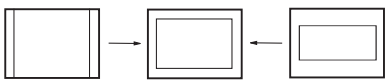
H SIZE



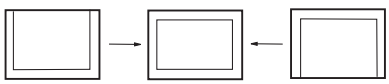
H UP COR



V SIZE



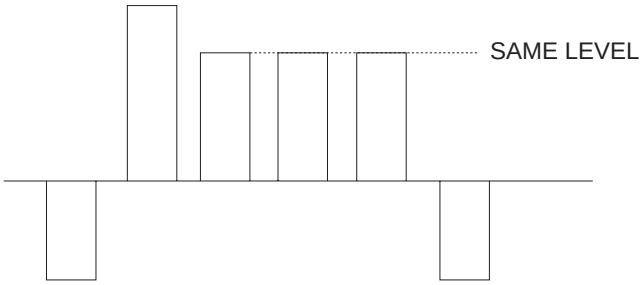
V POS



4-2. VOLUME ELECTRICAL ADJUSTMENTS

Sub Color Adjustment

1. Input a PAL color bar signal.
2. Connect an oscilloscope to CN701 pin 5 on C board.
3. Enter into 'SERVICE MODE'.
4. Choose 'MCP CXA2101'.
5. Enter into Sub Color mode.
6. Adjust data so that the right sides of the waveforms are of equal height.



MCP CXA2101

Item No	Adjustment menu	Data Amount
1	RED	ON
2	GREEN	ON
3	BLUE	ON
4	CBLK	OFF
5	AKB T	OFF
6	BLK SW	OFF
7	DA TEST	OFF
8	HY SW	0
9	PICTURE	57
10	LIMIT LEVEL	1
11	HUE	31
12	SYSTEM	1
13	COLOR	31
14	AGE WHT	OFF
15	AGE BLK	OFF
16	BRIGHT	31
17	YS/YM SW	0
18	YM/VM SW	0
19	SHARPNESS	35
20	R DRIVE	41
21	D COL	0
22	CLP SW	1
23	G DRIVE	ADJ
24	B DRIVE	ADJ
25	CLP MSK	0
26	R CUT OFF	32
27	ABL MODE	2
28	G CUT OFF	ADJ
29	ABL TH	1
30	B CUT OFF	ADJ
31	SUB BRT	ADJ
32	H SEP SEL	1
33	FIX SEL	0
34	V - TC	2
35	H WIDTH	0
36	HD TC	1
37	HS MASK	1
38	CB OFF SET 1	7
39	CR OFF SET 1	7
40	CB OFF SET 2	7
41	CR OFF SET 2	7
42	SUB CON	
43	SUB COL	5
44	SUB HUE	8
45	CEC LEV	2
46	R-Y/R	13
47	R-Y/B	15
48	G-Y/R	8
49	G-Y/B	4
50	L RGB2 LEVEL	0
51	GAMMA	8
52	PABL LEVEL	7

4-3. TEST MODE 2:

Is available by pressing the Test button twice, OSD “TT” appears. The functions described below are available by pressing the two numbers. To release the Test Mode 2, press `0' twice, or switch the TV into Standby Mode.

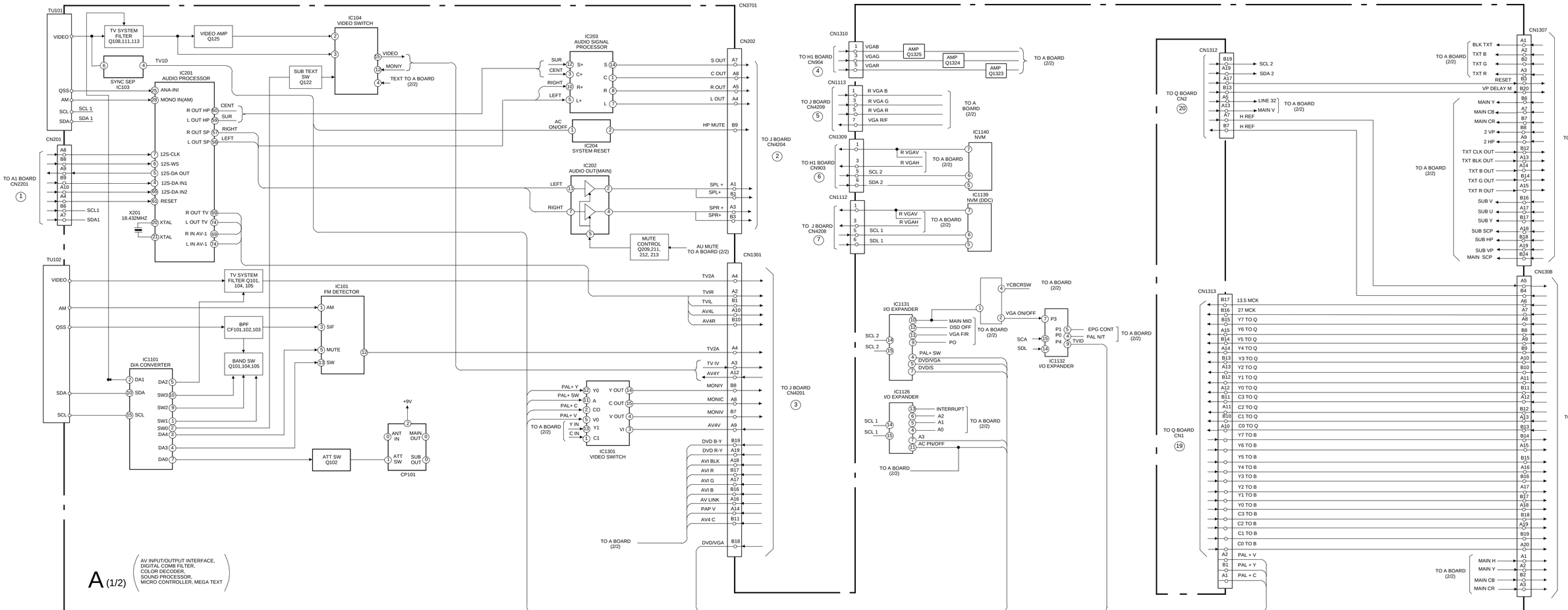
00	Switch Test Mode 2 off
01	Set minimum colour & picture to minimum
02	Direct access to Noise reduction (w/o OSD)
03	Set volume to 30%
04	`Service Mode' (Only in Pr.99 available)
05	`Production Mode' (Only in Pr. 99 available)
06	Set volume to 80%
07	Aging condition (Vol. min.; picture & brightness max.)
08	Shipping condition (Analog values are RESET due to factory setting. Prog. 1 is selected, TT mode off)
09	Language reset (Language menu appears when set is switched on)
10	Tenth entry is deleted
11	Direct access to balance (w/o OSD)
12	Direct access to HUE (w/o OSD)
13	Configuration menu
14	Display of Production information
15	Read factory setting from NVM, reads Volume, Balance,Treble, Bass,Brightness,Contrast,HUE, Sharpness,Colour values from ROM to the actual used values
16	Save actual Last Power Memory data
17	Preset label for AV sources
18	Text ON/OFF
19	Set volume to 50%
20	Tenth entry is deleted
21	Rotation coil test: -4 - > +4 - > 0
22	Operating timer and error monitor display
23	Direct access to sub brightness (w/o OSD)
24	Direct access to sub colour (w/o OSD)
25	Status menu display
26	Text caracter set selection: West Europe
27	Text caracter set selection: East Europe
28	Text caracter set selection: W. Europe-UK English
29	Text caracter set selection: West Europe Turkish
30	Tenth entry is deleted

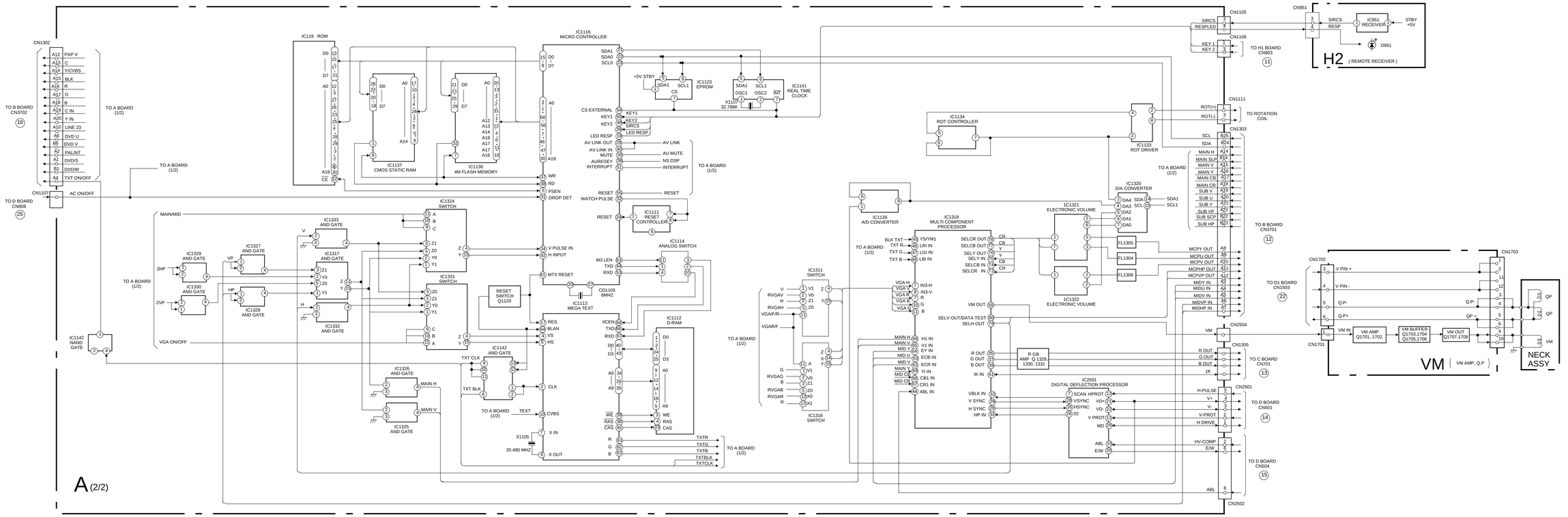
31	Geometry adjustment; MPIP position
32	Geometry adjustment; main position
33	Multi PIP test
34	Photo mode test
35	Video muting ON/OFF
36	Line 23 detection off
37	Countermeasure against Phillips bug
38	Fast helper response
39	Reset program table
40	Tenth entry is deleted
41	NVM map
42	Auto shut-off test
43	Dolby off
44	Direct access to Sub Brightness adj. + Pic min.
45	Set NVM to protect mode
46	IR channel preseting mode
47	Headphone source selection (w/o OSD)
48	Direct access to speaker source
49	Erase the NVM test byte (This byte detects already stored NVM's). After selecting this function, switch TV off and on. The NVM will be preset by the micro
50	Tenth entry is deleted
51	Strobe test
52	Internal use only (Show task)
53	AI on/off
54	Direct access to VM (w/o OSD)
55	MTX Slicer control `Low pass' (only Sys.L)
56	MTX Slicer control `No compensation'
57	Megatext service menu ON
58	MTX small framing code window
59	MTX wide framing code window
60	Tenth entry is deleted
61	Set DOLBY default valves
62	Set balance to min.
63	Set balance to max.

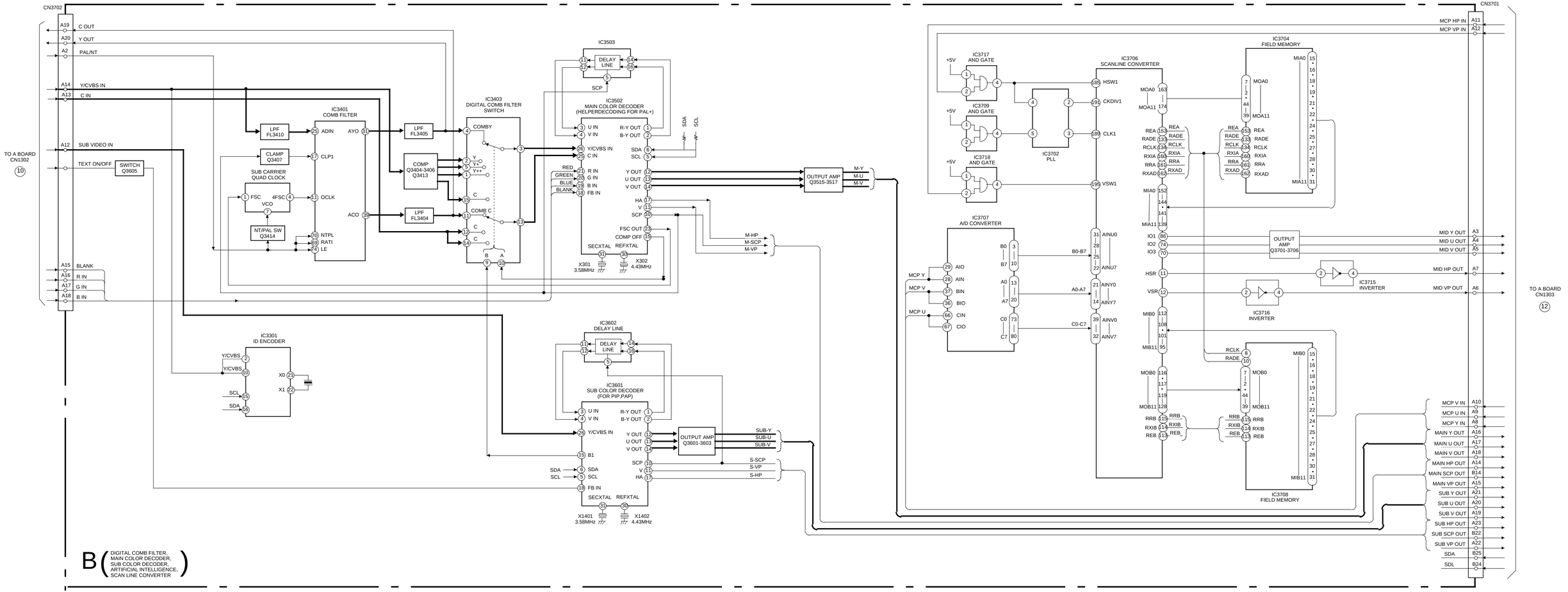
64	Reset all I2C Slave commands
65	Reset stored error codes in NVM
66	Reset for PAL + local controler and sub controler
67	Direct access to Headphone volume (w/o OSD)
68	Ignore errors on
69	Ignore errors off
70	Tenth entry is deleted
71	Picture rotation ON/OFF
72	Set default data of subadjustment menu
73	No function
74	Set default data of port expander menu
75	RGB gain and level of PAT
76	Set default data of deflection menu
77	Set default data of D/A converter menu
78	Set default data of line 23 menu
79	Default value for TDA 9144
80	Tenth entry is deleted
81	Set default data of feature box menu

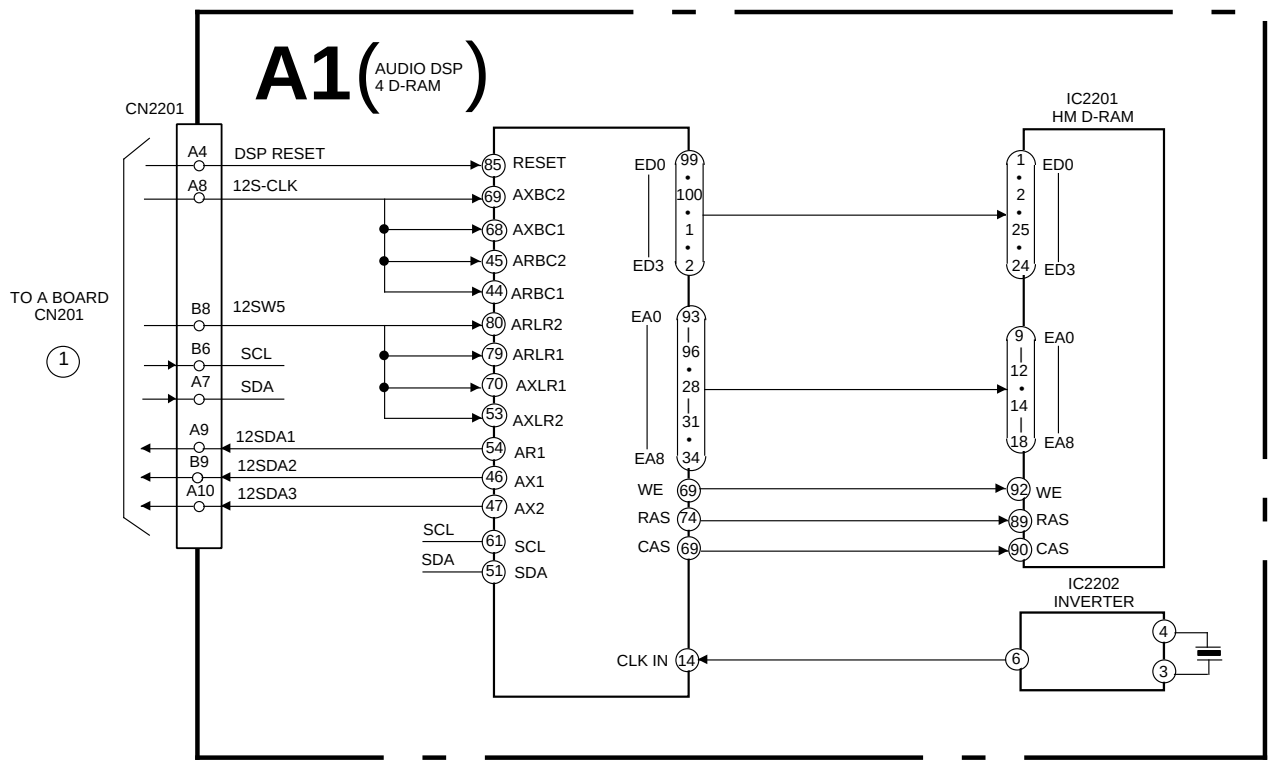
82	Set default data of MID menu
83	No function
84	Set default data of MCP menu
85	Set default data of color decoder main menu
86	Set default data of color decoder sub menu
87	Default value for SDA 9288
88	Text character set Russia/east
89	Text character set Russia/west
90	Tenth entry is deleted
91	DOLBY mode normal
92	ASIC on B-board toggle old/new
93	Set default data of MCP subadjust menu
94	Noise sequence `left'
95	Noise sequence `centre'
96	Noise sequence `right'
97	Noise sequence `surround'
98	Surround mode `off'
99	DOLBY mode `phantom'

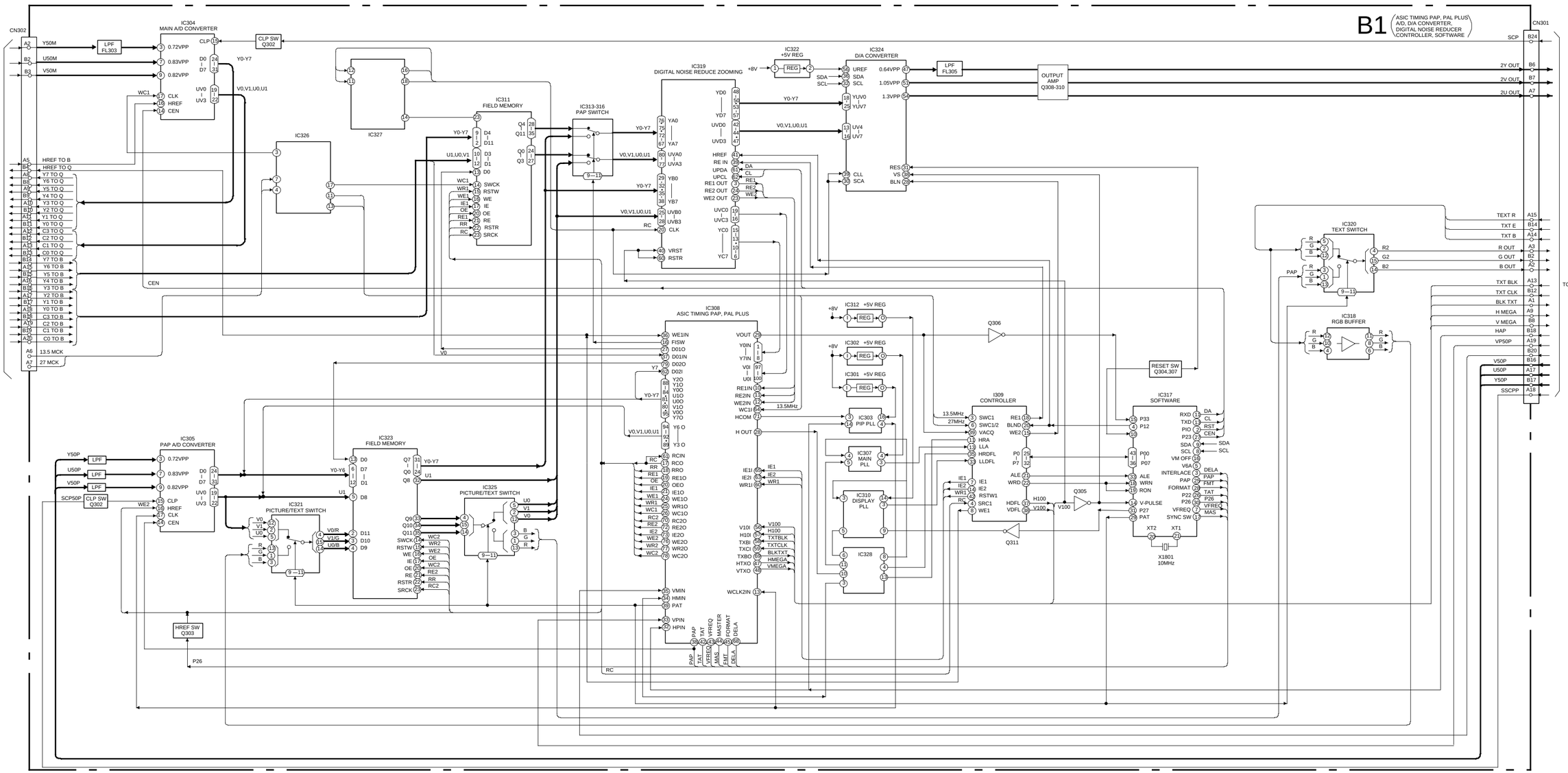
MEMO

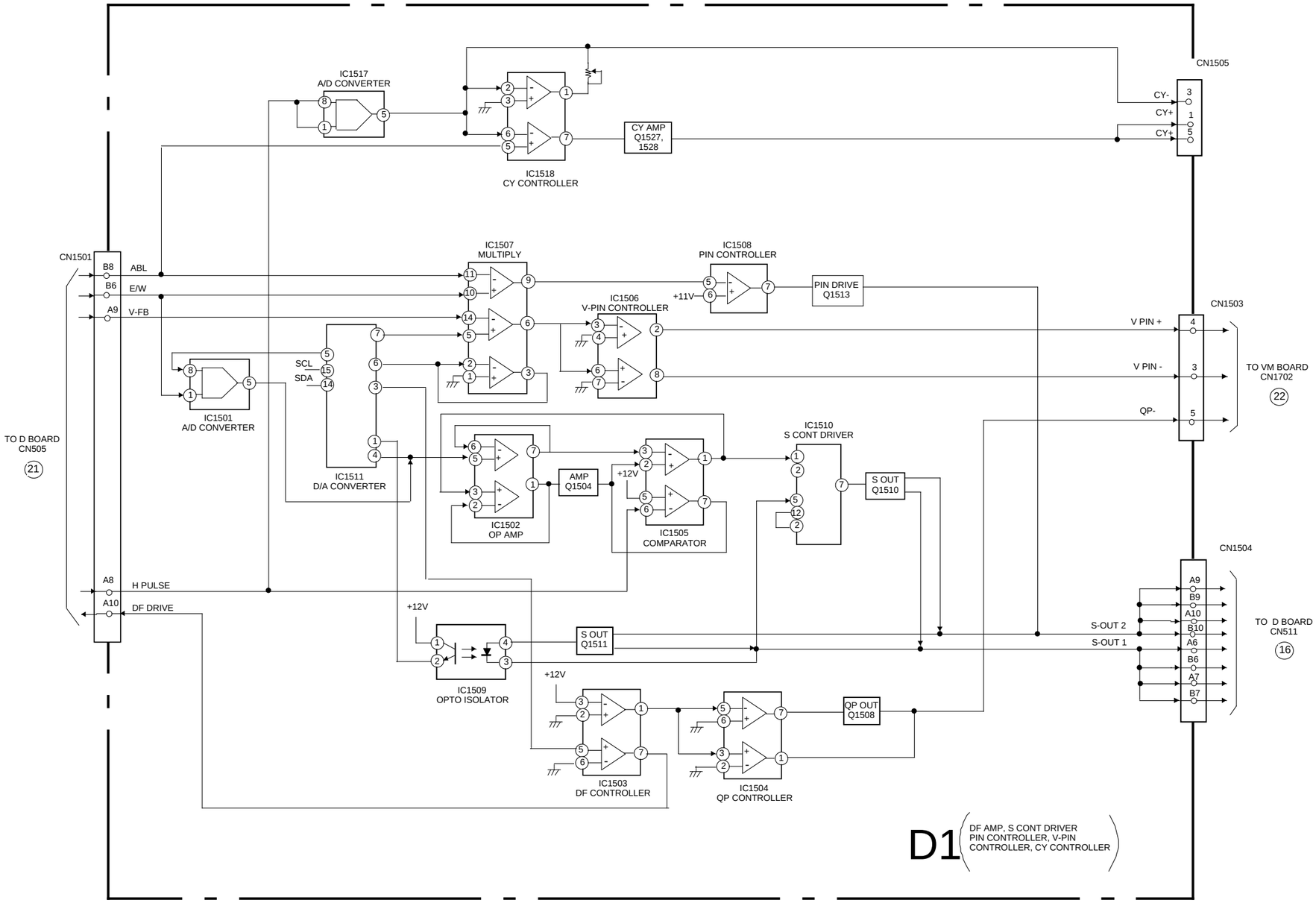

TU101
VIDEO
QSS
AM
SCL
SDA
SCL 1
SDA 1
TV SYSTEM FILTER Q108,111,113
VIDEO AMP Q125
TV1D
SYNC SEP IC103
IC104 VIDEO SWITCH
SUB TEXT SW Q122
TEXT TO A BOARD (2/2)
IC201 AUDIO PROCESSOR
ANA-INI
MONO IN(AM)
CENT
SUR
RIGHT
LEFT
12S-CLK
12S-WS
12S-DA OUT
12S-DA IN1
12S-DA IN2
RESET
XTAL
R OUT TV
L OUT TV
R IN AV-1
L IN AV-1
X201 18.432MHZ
CN201
TO A1 BOARD CN2201
1
TU102
TV SYSTEM FILTER Q101, 104, 105
BPF CF101,102,103
BAND SW Q101,104,105
IC101 FM DETECTOR
AM
SIF
MUTE
SW
IC1101 D/A CONVERTER
DA1
SDA
SCL
DA2
SW3
SW2
SW1
SW0
DA4
DA3
DA0
ATT SW Q102
+9V
ANT IN
MAIN OUT
ATT SW
SUB OUT
CP101
IC203 AUDIO SIGNAL PROCESSOR
SUR
CENT
RIGHT
LEFT
S+
C+
R+
L+
S
C
R
L
AC ON/OFF
IC204 SYSTEM RESET
IC202 AUDIO OUT(MAIN)
MUTE CONTROL Q209,211, 212, 213
AU MUTE TO A BOARD (2/2)
CN3701
CN202
S OUT
C OUT
R OUT
L OUT
HP MUTE
SPL +
SPL+
SPR +
SPR+
TO J BOARD CN4204
2
CN1301
TV2A
TVIR
TVIL
AV4L
AV4R
TV IV
AV4Y
MONIY
MONIC
MONIV
AV4V
DVD B-Y
DVD R-Y
AVI BLK
AVI R
AVI G
AVI B
AV LINK
PAP V
AV4 C
DVD/VGA
TO A BOARD (2/2)
PAL+ Y
PAL+ SW
PAL+ C
PAL+ V
Y IN
C IN
Y0
A
CO
V0
Y1
C1
Y OUT
C OUT
V OUT
VI
IC1301 VIDEO SWITCH
TO J BOARD CN4201
3
CN1310
VGAB
VGAG
VGAR
AMP Q1325
AMP Q1324
AMP Q1323
TO H1 BOARD CN904
4
TO A BOARD (2/2)
CN1113
R VGA B
R VGA G
R VGA R
VGA R/F
TO J BOARD CN4209
5
TO A BOARD (2/2)
CN1309
R VGAV
R VGAH
SCL 2
SDA 2
IC1140 NVM
TO H1 BOARD CN903
6
CN1112
SCL 1
SDL 1
IC1139 NVM (DDC)
TO J BOARD CN4208
7
IC1131 I/O EXPANDER
MAIN MID
DSD OFF
VGA F/R
PO
PAL+ SW
DVD/VGA
DVD/S
YCBCRSW
VGA ON/OFF
IC1132 I/O EXPANDER
P3
P1
P0
P4
SCA
SDL
EPG CONT
PAL N/T
TVID
IC1126 I/O EXPANDER
INTERRUPT
A2
A1
A0
A3
AC PN/OFF
CN1312
SCL 2
SDA 2
LINE 32
MAIN V
H REF
TO Q BOARD CN2
20
CN1307
BLK TXT
TXT B
TXT G
TXT R
RESET
VP DELAY M
MAIN Y
MAIN CB
MAIN CR
2 VP
2 HP
TXT CLK OUT
TXT BLK OUT
TXT B OUT
TXT G OUT
TXT R OUT
SUB V
SUB U
SUB Y
SUB SCP
SUB HP
SUB VP
MAIN SCP
TO B1 BOARD CN301
8
CN1308
CN1313
13.5 MCK
27 MCK
Y7 TO Q
Y6 TO Q
Y5 TO Q
Y4 TO Q
Y3 TO Q
Y2 TO Q
Y1 TO Q
Y0 TO Q
C3 TO Q
C2 TO Q
C1 TO Q
C0 TO Q
Y7 TO B
Y6 TO B
Y5 TO B
Y4 TO B
Y3 TO B
Y2 TO B
Y1 TO B
Y0 TO B
C3 TO B
C2 TO B
C1 TO B
C0 TO B
PAL + V
PAL + Y
PAL + C
TO Q BOARD CN1
19
TO B1 BOARD CN302
9
A (1/2)
AV INPUT/OUTPUT INTERFACE, DIGITAL COMB FILTER, COLOR DECODER, SOUND PROCESSOR, MICRO CONTROLLER, MEGA TEXT

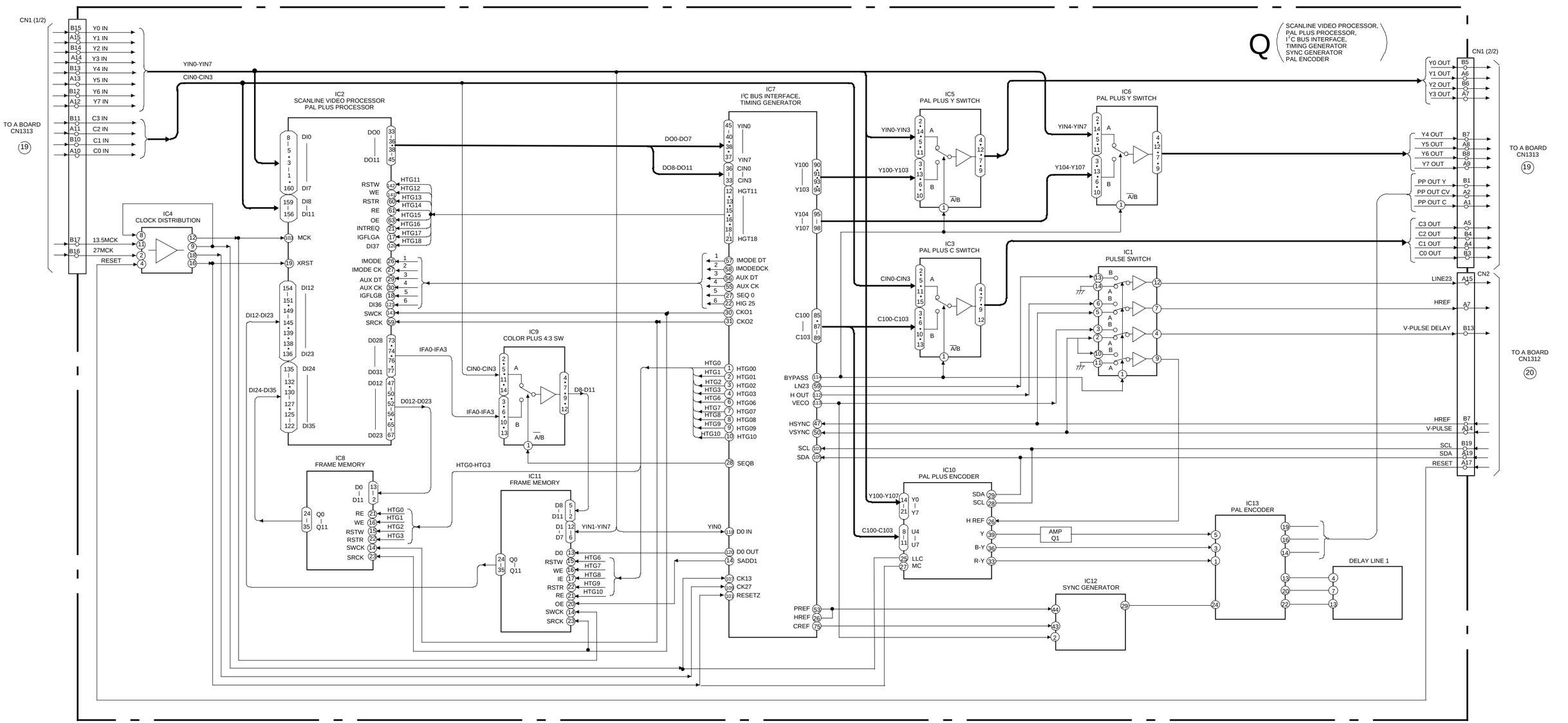

A (2/2)
CN1302
PAP V
C
Y/CVBS
BLK
R
G
B
C IN
Y IN
LINE 23
DVD U
DVD V
PAL/NT
DVD/S
DVD/M
TXT ON/OFF
AC ON/OFF
CN1107
TO B BOARD CN702 10
TO D BOARD CN808 25
TO A BOARD (1/2)
IC119 ROM
IC1137 CMOS STATIC RAM
IC1136 4M FLASH MEMORY
IC1116 MICRO CONTROLLER
IC1123 EPROM
IC1141 REAL TIME CLOCK
X1107 32.768K
CS EXTERNAL
KEY1
KEY2
SIRCS
LED RESP
AV LINK OUT
AV LINK IN
MUTE
AURESEY
INTERRUPT
RESET
WATCH PULSE
DROP DET
V PULSE IN
H INPUT
MTX RESET
IC1111 RESET CONTROLLER
IC1114 ANALOG SWITCH
M3 LEN
TXD
RXD
CD1105 6MHZ
IC1113 MEGA TEXT
RESET SWITCH Q1120
IICEN
IC1112 D-RAM
RES
BLAN
VS
HS
CLK
CVBS
X IN
X OUT
X1105 20.480 MHZ
TEXT
TXTR
TXTG
TXTB
TXTBLK
TXTCLK
IC1324 SWITCH
IC1331 SWITCH
IC1142 AND GATE
IC1142 NAND GATE
IC1327 AND GATE
IC1328 AND GATE
IC1329 AND GATE
IC1330 AND GATE
IC1317 AND GATE
IC1332 AND GATE
IC1333 AND GATE
IC1325 AND GATE
IC1326 AND GATE
MAIN/MID
VGA ON/OFF
2HP
2VP
HP
VP
H
V
MAIN H
MAIN V
TXT CLK
TXT BLK
IC1135 A/D CONVERTER
IC1318 MULTI COMPONENT PROCESSOR
IC1311 SWITCH
IC1316 SWITCH
IC1321 ELECTRONIC VOLUME
IC1322 ELECTRONIC VOLUME
IC1320 D/A CONVERTER
IC1134 ROT CONTROLLER
IC1333 ROT DRIVER
IC2501 DIGITAL DEFLECTION PROCESSOR
R GB AMP Q 1329, 1330, 1331
FL1305
FL1304
FL1306
BLK TXT
TXT R
TXT G
TXT B
VGA H
VGA V
VGA B
VGA G
VGA/F/R
VGAR/F
RVGAV
RVGAG
RVGAB
RVGAR
SELCR OUT
SELCB OUT
SELY OUT
SELY IN
SELCB IN
SELCR IN
VM OUT
SELV OUT/DATA TEST
SELH OUT
MAIN H
MAIN V
MID V
MID U
MAIN Y
MID CB
MID CR
H1 IN
V1 IN
EY IN
ECB IN
ECR IN
YI IN
CB1 IN
CR1 IN
ABL IN
R OUT
G OUT
B OUT
IK IN
VBLK IN
V SYNC
H SYNC
HP IN
SCAN
VSYNC
HSYNC
02
HPROT
VD
V PROT
MD
ABL
E/W
MCPU OUT
MCPV OUT
MCPHP OUT
MCPVP OUT
MIDY IN
MIDU IN
MIDV IN
MIDVP IN
MIDHP IN
SIRCS
RESP/LED
KEY 1
KEY 2
TO H1 BOARD CN903 11
CN1105
CN1106
CN951
IC951 RECEIVER
STBY +5V
D951
H2 (REMOTE RECEIVER)
ROT(+)
ROT(-)
TO ROTATION COIL
CN1111
CN1303
SCL
SDA
MAIN SLP
MAIN CR
SUB V
SUB U
SUB Y
SUB VP
SUB SCP
SUB HP
TO B BOARD CN3701 12
CN1702
V PIN +
V PIN -
Q.P-
Q.P+
VM IN
VM AMP. Q1701, 1702,
VM BUFFER Q1705,1706
VM OUT Q1707,1708
CN1703
CN1701
TO D1 BOARD CN1503 22
VM (VM AMP, Q.P)
NECK ASSY
CN2504
CN1305
TO C BOARD CN701 13
CN2501
TO D BOARD CN501 14
H-PULSE
V+
V-
V-PROT
H DRIVE
HV-COMP
E/W
TO D BOARD CN504 15
CN2502

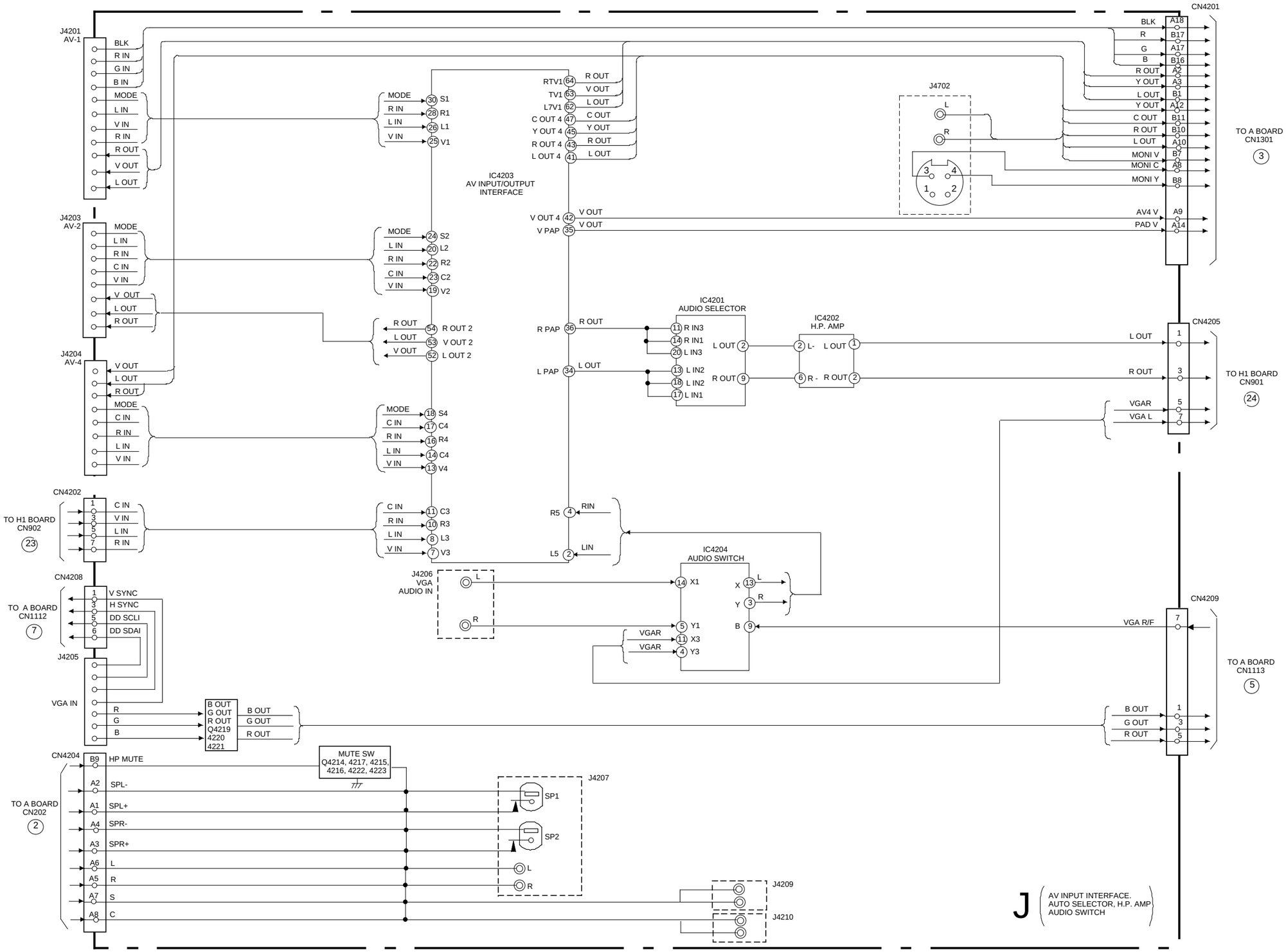

CN3702
A19 C OUT
A20 Y OUT
A2 PAL/NT
A14 Y/CVBS IN
A13 C IN
A12 SUB VIDEO IN
TEXT ON/OFF
SWITCH Q3605
TO A BOARD CN1302
10
A15 BLANK
A16 R IN
A17 G IN
A18 B IN
IC3401 COMB FILTER
LPF FL3410
CLAMP Q3407
SUB CARRIER QUAD CLOCK
VCO
NT/PAL SW Q3414
ADIN
CLP1
FSC
4FSC
OCLK
NTPL
RATI
LE
AYO
ACO
LPF FL3405
COMP Q3404-3406 Q3413
LPF FL3404
IC3403 DIGITAL COMB FILTER SWITCH
COMBY
COMB C
IC3503
DELAY LINE
SCP
IC3502 MAIN COLOR DECODER (HELPERDECODING FOR PAL+)
U IN
V IN
Y/CVBS IN
C IN
R IN
G IN
B IN
FB IN
R-Y OUT
B-Y OUT
Y OUT
U OUT
V OUT
SDA
SCL
HA
V
SCP
FSC OUT
COMP OFF
SECXTAL
REFXTAL
X301 3.58MHz
X302 4.43MHz
RED
GREEN
BLUE
BLANK
M-HP
M-SCP
M-VP
OUTPUT AMP Q3515-3517
M-Y
M-U
M-V
IC3301 ID ENCODER
Y/CVBS
SCL
SDA
X0
X1
IC3602 DELAY LINE
IC3601 SUB COLOR DECODER (FOR PIP,PAP)
B1
OUTPUT AMP Q3601-3603
SUB-Y
SUB-U
SUB-V
S-SCP
S-VP
S-HP
X1401 3.58MHz
X1402 4.43MHz
B (DIGITAL COMB FILTER, MAIN COLOR DECODER, SUB COLOR DECODER, ARTIFICIAL INTELLIGENCE, SCAN LINE CONVERTER)
CN3701
MCP HP IN
MCP VP IN
IC3717 AND GATE
IC3709 AND GATE
IC3718 AND GATE
+5V
IC3702 PLL
IC3706 SCANLINE CONVERTER
HSW1
CKDIV1
CLK1
VSW1
IC3704 FIELD MEMORY
MOA0
MOA11
REA
RADE
RCLK
RXIA
RRA
RXAD
MIA0
MIA11
IC3707 A/D CONVERTER
MCP Y
MCP V
MCP U
AIO
AIN
BIN
BIO
CIN
CIO
B0-B7
A0-A7
C0-C7
AINU0
AINU7
AINY0
AINY7
AINV0
AINV7
IC3715 INVERTER
IC3716 INVERTER
OUTPUT AMP Q3701-3706
HSR
VSR
IO1
IO2
IO3
MID Y OUT
MID U OUT
MID V OUT
MID HP OUT
MID VP OUT
MOB0
MOB11
MIB0
MIB11
RRB
RXIB
REB
IC3708 FIELD MEMORY
MCP V IN
MCP U IN
MCP Y IN
MAIN Y OUT
MAIN U OUT
MAIN V OUT
MAIN HP OUT
MAIN SCP OUT
MAIN VP OUT
SUB Y OUT
SUB U OUT
SUB V OUT
SUB HP OUT
SUB SCP OUT
SUB VP OUT
SDA
SDL
TO A BOARD CN1303
12

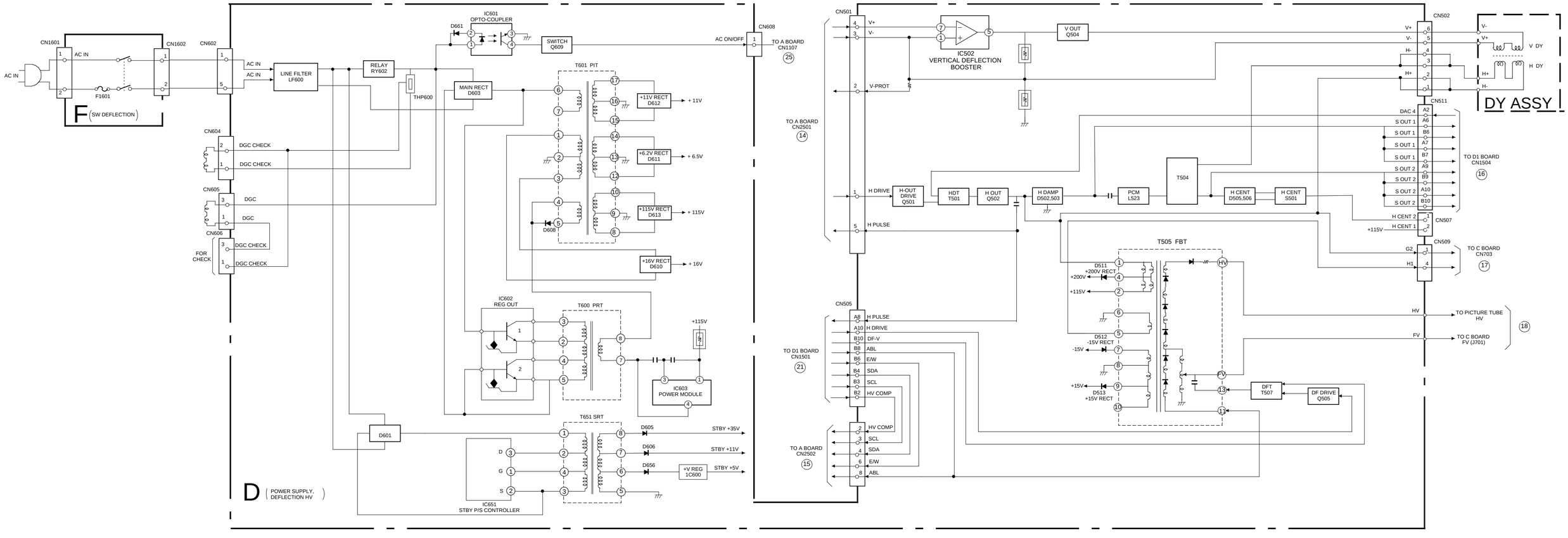

A1(AUDIO DSP
4 D-RAM)
CN2201
TO A BOARD
CN201
1
A4 DSP RESET
A8 12S-CLK
B8 12SW5
B6 SCL
A7 SDA
A9 12SDA1
B9 12SDA2
A10 12SDA3
85 RESET
69 AXBC2
68 AXBC1
45 ARBC2
44 ARBC1
80 ARLR2
79 ARLR1
70 AXLR1
53 AXLR2
54 AR1
46 AX1
47 AX2
61 SCL
51 SDA
SCL
SDA
ED0
ED3
99 100 1 2
EA0
EA8
93 96 28 31 34
WE 69
RAS 74
CAS 69
CLK IN 14
IC2201
HM D-RAM
1 2 25 24 ED0 ED3
9 12 14 18 EA0 EA8
92 WE
89 RAS
90 CAS
IC2202
INVERTER
6
4
3

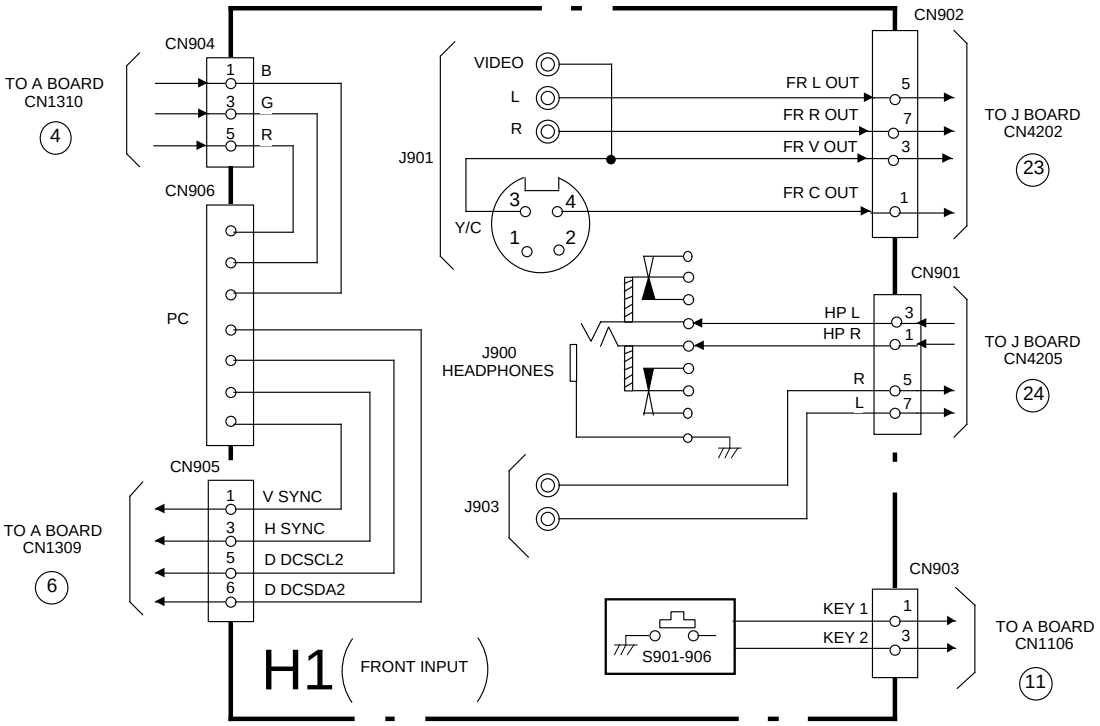

B1
ASIC TIMING PAP, PAL PLUS
A/D, D/A CONVERTER,
DIGITAL NOISE REDUCER
CONTROLLER, SOFTWARE
CN302
IC304
MAIN A/D CONVERTER
LPF FL303
CLP SW Q302
IC319
DIGITAL NOISE REDUCE ZOOMING
IC322 +5V REG
IC324
D/A CONVERTER
LPF FL305
OUTPUT AMP Q308-310
CN301
IC326
IC327
IC311
FIELD MEMORY
IC313-316
PAP SWITCH
IC320
TEXT SWITCH
IC318
RGB BUFFER
IC308
ASIC TIMING PAP, PAL PLUS
IC312 +5V REG
IC302 +5V REG
IC301 +5V REG
IC303
PIP PLL
IC307
MAIN PLL
IC310
DISPLAY PLL
IC328
I309
CONTROLLER
IC317
SOFTWARE
RESET SW Q304,307
Q306
Q305
Q311
X1801
10MHz
IC305
PAP A/D CONVERTER
IC323
FIELD MEMORY
IC321
PICTURE/TEXT SWITCH
IC325
PICTURE/TEXT SWITCH
HREF SW Q303
TO A BOARD CN1308
TO A BOARD CN1307
HREF TO B
HREF TO Q
Y7 TO Q
Y6 TO Q
Y5 TO Q
Y4 TO Q
Y3 TO Q
Y2 TO Q
Y1 TO Q
Y0 TO Q
C3 TO Q
C2 TO Q
C1 TO Q
C0 TO Q
Y7 TO B
Y6 TO B
Y5 TO B
Y4 TO B
Y3 TO B
Y2 TO B
Y1 TO B
Y0 TO B
C3 TO B
C2 TO B
C1 TO B
C0 TO B
13.5 MCK
27 MCK
Y50M
U50M
V50M
Y50P
U50P
V50P
SCP50P
CEN
Y0-Y7
V0,V1,U0,U1
U1,U0,V1
Y0-Y6
U1
V0
RC
P26
SCP
2Y OUT
2V OUT
2U OUT
TEXT R
TXT E
TXT B
R OUT
G OUT
B OUT
TXT BLK
TXT CLK
BLK.TXT
H MEGA
V MEGA
HAP
VPS0P
V50P
U50P
Y50P
SSCPP

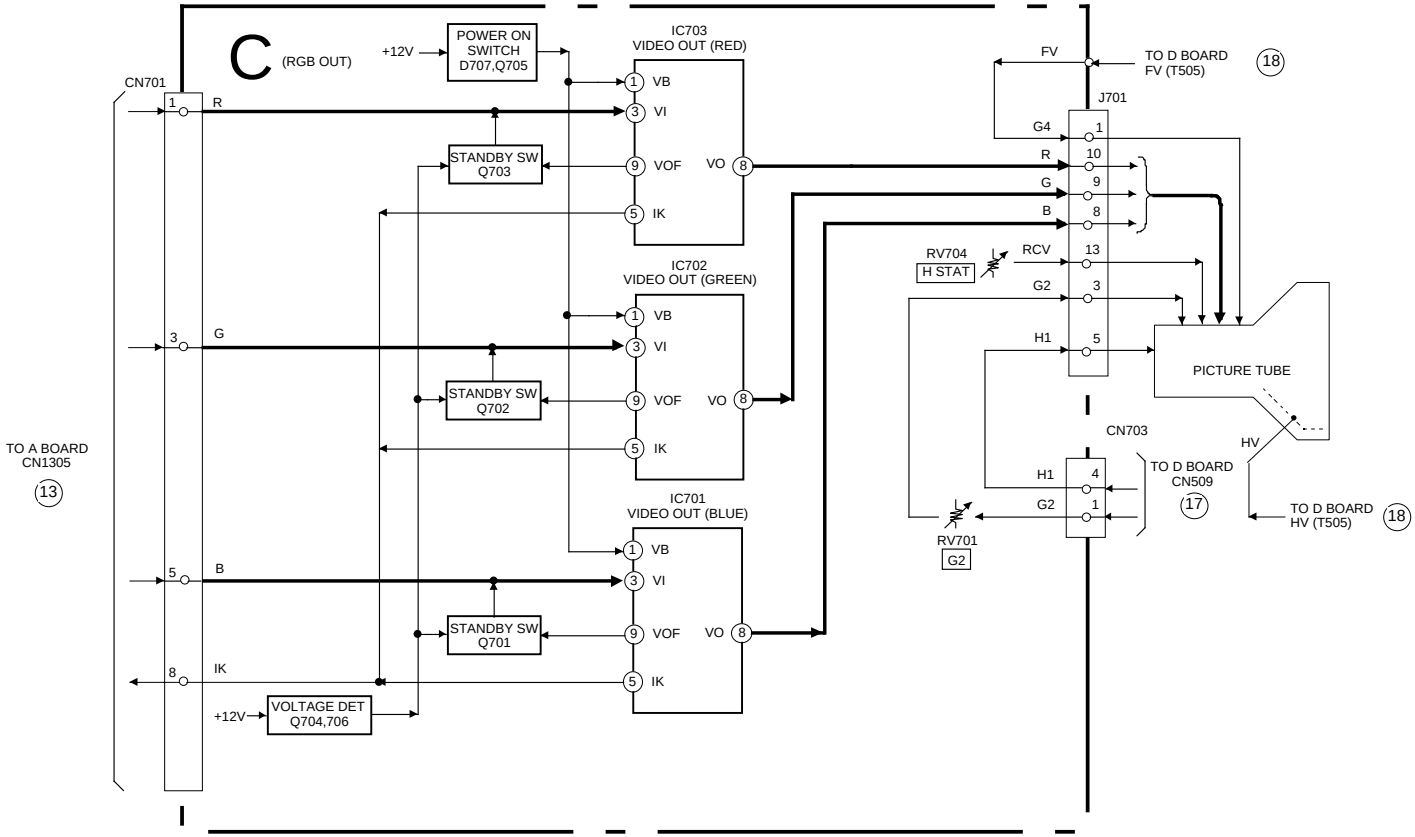

IC1517
A/D CONVERTER
IC1518
CY CONTROLLER
CY AMP
Q1527,
1528
CN1505
CY-
CY+
CY+
CN1501
B8
ABL
B6
E/W
A9
V-FB
IC1507
MULTIPLY
IC1508
PIN CONTROLLER
+11V
PIN DRIVE
Q1513
IC1506
V-PIN CONTROLLER
CN1503
V PIN +
V PIN -
QP-
TO VM BOARD
CN1702
22
SCL
SDA
IC1501
A/D CONVERTER
IC1511
D/A CONVERTER
IC1502
OP AMP
AMP
Q1504
+12V
IC1505
COMPARATOR
IC1510
S CONT DRIVER
S OUT
Q1510
TO D BOARD
CN505
21
CN1504
A8
H PULSE
A10
DF DRIVE
+12V
IC1509
OPTO ISOLATOR
S OUT
Q1511
S-OUT 2
S-OUT 1
TO D BOARD
CN511
16
+12V
IC1503
DF CONTROLLER
IC1504
QP CONTROLLER
QP OUT
Q1508
D1
DF AMP, S CONT DRIVER
PIN CONTROLLER, V-PIN
CONTROLLER, CY CONTROLLER


Q
SCANLINE VIDEO PROCESSOR,
PAL PLUS PROCESSOR,
I²C BUS INTERFACE,
TIMING GENERATOR
SYNC GENERATOR
PAL ENCODER
CN1 (1/2)
TO A BOARD CN1313 19
Y0 IN
Y1 IN
Y2 IN
Y3 IN
Y4 IN
Y5 IN
Y6 IN
Y7 IN
C3 IN
C2 IN
C1 IN
C0 IN
YIN0-YIN7
CIN0-CIN3
13.5MCK
27MCK
RESET
IC4
CLOCK DISTRIBUTION
MCK
XRST
IC2
SCANLINE VIDEO PROCESSOR
PAL PLUS PROCESSOR
DI0
DI7
DI8
DI11
DI12
DI23
DI24
DI35
DI12-DI23
DI24-DI35
DO0
DO11
HTG11
HTG12
HTG13
HTG14
HTG15
HTG16
HTG17
HTG18
RSTW
WE
RSTR
RE
OE
INTREQ
IGFLGA
DI37
IMODE
IMODE CK
AUX DT
AUX CK
IGFLGB
DI36
SWCK
SRCK
D028
D031
D012
D023
D012-D023
IFA0-IFA3
IC9
COLOR PLUS 4:3 SW
CIN0-CIN3
IFA0-IFA3
D8-D11
A/B
IC8
FRAME MEMORY
D0
D11
Q0
Q11
RE
WE
RSTW
RSTR
SWCK
SRCK
HTG0-HTG3
IC11
FRAME MEMORY
D8
D11
D1
D7
D0
RSTW
WE
IE
RSTR
RE
OE
SWCK
SRCK
YIN1-YIN7
HTG6
HTG7
HTG8
HTG9
HTG10
IC7
I²C BUS INTERFACE,
TIMING GENERATOR
YIN0
YIN7
CIN0
CIN3
HGT11
HGT18
DO0-DO7
DO8-DO11
IMODE DT
IMODEDCK
AUX DT
AUX CK
SEQ 0
HIG 25
CKO1
CKO2
HTG0
HTG1
HTG2
HTG3
HTG6
HTG7
HTG8
HTG9
HTG10
HTG00
HTG01
HTG02
HTG03
HTG06
HTG07
HTG08
HTG09
HTG10
SEQB
D0 IN
D0 OUT
SADD1
CK13
CK27
RESETZ
IC5
PAL PLUS Y SWITCH
YIN0-YIN3
Y100-Y103
A/B
IC6
PAL PLUS Y SWITCH
YIN4-YIN7
Y104-Y107
IC3
PAL PLUS C SWITCH
CIN0-CIN3
C100-C103
IC1
PULSE SWITCH
Y100
Y103
Y104
Y107
C100
C103
BYPASS
LN23
H OUT
VECO
HSYNC
VSYNC
SCL
SDA
PREF
HREF
CREF
IC10
PAL PLUS ENCODER
Y0
Y7
U4
U7
LLC
MC
SDA
SCL
H REF
Y
B-Y
R-Y
AMP
Q1
IC12
SYNC GENERATOR
IC13
PAL ENCODER
DELAY LINE 1
CN1 (2/2)
Y0 OUT
Y1 OUT
Y2 OUT
Y3 OUT
Y4 OUT
Y5 OUT
Y6 OUT
Y7 OUT
PP OUT Y
PP OUT CV
PP OUT C
C3 OUT
C2 OUT
C1 OUT
C0 OUT
TO A BOARD CN1313 19
CN2
LINE23
HREF
V-PULSE DELAY
HREF
V-PULSE
SCL
SDA
RESET
TO A BOARD CN1312 20

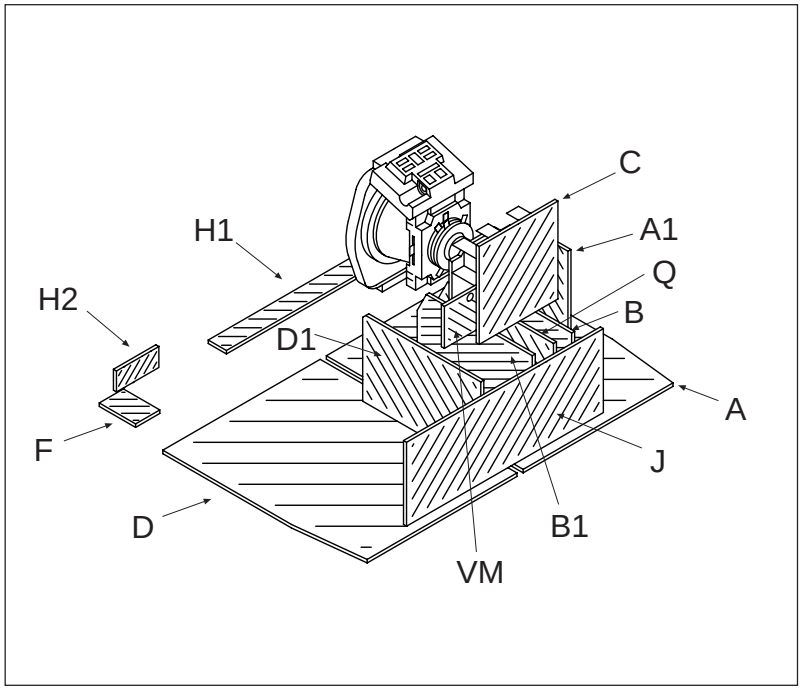

J4201
AV-1
BLK
R IN
G IN
B IN
MODE
L IN
V IN
R IN
R OUT
V OUT
L OUT
J4203
AV-2
MODE
L IN
R IN
C IN
V IN
V OUT
L OUT
R OUT
J4204
AV-4
V OUT
L OUT
R OUT
MODE
C IN
R IN
L IN
V IN
CN4202
TO H1 BOARD
CN902
23
1 C IN
3 V IN
5 L IN
7 R IN
CN4208
TO A BOARD
CN1112
7
1 V SYNC
3 H SYNC
5 DD SCLI
6 DD SDAI
J4205
VGA IN
R
G
B
B OUT
G OUT
R OUT
Q4219
4220
4221
B OUT
G OUT
R OUT
CN4204
TO A BOARD
CN202
2
B9 HP MUTE
A2 SPL-
A1 SPL+
A4 SPR-
A3 SPR+
A6 L
A5 R
A7 S
A8 C
MUTE SW
Q4214, 4217, 4215,
4216, 4222, 4223
J4207
SP1
SP2
L
R
J4209
J4210
MODE 30 S1
R IN 28 R1
L IN 26 L1
V IN 25 V1
MODE 24 S2
L IN 20 L2
R IN 22 R2
C IN 23 C2
V IN 19 V2
R OUT 54 R OUT 2
L OUT 53 V OUT 2
V OUT 52 L OUT 2
MODE 18 S4
C IN 17 C4
R IN 16 R4
L IN 14 C4
V IN 13 V4
C IN 11 C3
R IN 10 R3
L IN 8 L3
V IN 7 V3
IC4203
AV INPUT/OUTPUT
INTERFACE
RTV1 64 R OUT
TV1 63 V OUT
L7V1 62 L OUT
C OUT 4 47 C OUT
Y OUT 4 45 Y OUT
R OUT 4 43 R OUT
L OUT 4 41 L OUT
V OUT 4 42 V OUT
V PAP 35 V OUT
R PAP 36 R OUT
L PAP 34 L OUT
R5 4 RIN
L5 2 LIN
IC4201
AUDIO SELECTOR
11 R IN3
14 R IN1
20 L IN3
13 L IN2
18 L IN2
17 L IN1
L OUT 2
R OUT 9
IC4202
H.P. AMP
2 L- L OUT 1
6 R - R OUT 2
J4206
VGA
AUDIO IN
L
R
IC4204
AUDIO SWITCH
14 X1
5 Y1
11 X3
4 Y3
X 13 L
Y 3 R
B 9
VGAR
VGAR
J4702
L
R
3
4
1
2
CN4201
BLK A18
R B17
G A17
B B16
R OUT A2
Y OUT A3
L OUT B1
Y OUT A12
C OUT B11
R OUT B10
L OUT A10
MONI V B7
MONI C A8
MONI Y B8
AV4 V A9
PAD V A14
TO A BOARD
CN1301
3
CN4205
L OUT 1
R OUT 3
VGAR 5
VGA L 7
TO H1 BOARD
CN901
24
CN4209
VGA R/F 7
B OUT 1
G OUT 3
R OUT 5
TO A BOARD
CN1113
5
J
AV INPUT INTERFACE.
AUTO SELECTOR, H.P. AMP
AUDIO SWITCH


CN1601
AC IN
CN1602
F1601
CN602
LINE FILTER LF600
RELAY RY602
THP600
IC601 OPTO-COUPLER
D661
SWITCH Q609
CN608
AC ON/OFF
TO A BOARD CN1107
25
MAIN RECT D603
T601 PIT
+11V RECT D612
+ 11V
+6.2V RECT D611
+ 6.5V
+115V RECT D613
+ 115V
+16V RECT D610
+ 16V
D608
CN604
DGC CHECK
CN605
DGC
CN606
FOR CHECK
IC602 REG OUT
T600 PRT
+115V
IC603 POWER MODULE
D601
T651 SRT
D605
STBY +35V
D606
STBY +11V
D656
+V REG 1C600
STBY +5V
D
IC651 STBY P/S CONTROLLER
POWER SUPPLY, DEFLECTION HV
F
SW DEFLECTION
CN501
V+
V-
V-PROT
H DRIVE
H PULSE
IC502 VERTICAL DEFLECTION BOOSTER
V OUT Q504
TO A BOARD CN2501
14
H-OUT DRIVE Q501
HDT T501
H OUT Q602
H DAMP D502,503
PCM L523
T504
H CENT D505,506
H CENT S501
CN505
TO D1 BOARD CN1501
21
HV COMP
SCL
SDA
E/W
ABL
TO A BOARD CN2502
15
T505 FBT
D511 +200V RECT
+200V
+115V
D512 -15V RECT
-15V
+15V
D513 +15V RECT
DFT T507
DF DRIVE Q505
CN502
V DY
H DY
DY ASSY
CN511
DAC 4
S OUT 1
S OUT 2
TO D1 BOARD CN1504
16
CN507
H CENT 2
H CENT 1
CN509
G2
H1
TO C BOARD CN703
17
HV
FV
TO PICTURE TUBE HV
TO C BOARD FV (J701)
18


CN904
TO A BOARD
CN1310
4
1
B
3
G
5
R
CN906
PC
CN905
TO A BOARD
CN1309
6
1
V SYNC
3
H SYNC
5
D DCSCL2
6
D DCSDA2
H1
FRONT INPUT
J901
VIDEO
L
R
Y/C
3
4
1
2
CN902
FR L OUT
FR R OUT
FR V OUT
FR C OUT
5
7
3
1
TO J BOARD
CN4202
23
J900
HEADPHONES
CN901
HP L
HP R
R
L
3
1
5
7
TO J BOARD
CN4205
24
J903
CN903
KEY 1
KEY 2
1
3
S901-906
TO A BOARD
CN1106
11


C (RGB OUT)
+12V
POWER ON SWITCH D707,Q705
IC703 VIDEO OUT (RED)
IC702 VIDEO OUT (GREEN)
IC701 VIDEO OUT (BLUE)
CN701
R
G
B
IK
STANDBY SW Q703
STANDBY SW Q702
STANDBY SW Q701
VOLTAGE DET Q704,706
VB
VI
VOF
VO
IK
TO A BOARD CN1305
13
FV
TO D BOARD FV (T505)
18
J701
G4
R
G
B
RCV
G2
H1
RV704 H STAT
PICTURE TUBE
HV
CN703
TO D BOARD CN509
17
TO D BOARD HV (T505)
RV701 G2

5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in µF unless otherwise noted. pF: µµF 50WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms.
  k = 1000 , M = 1000K
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5 mm Rating electrical power ¼ W

- : nonflammable resistor.
- △ : internal component.
- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ⊥ : earth - ground.
- ⏚ : earth - chassis.
- : no mounted.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part number specified.

Note : Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

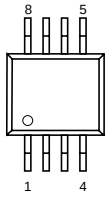
Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: ※	ADJUSTABLE RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

- Readings are taken with a colour-bar signal input.
- Readings are taken with 10MΩ digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- Circled numbers are waveform references.
- : B+ bus.
- : signal path. (RF)

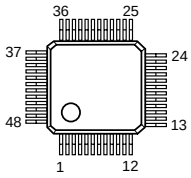
5-4. SEMICONDUCTORS

BA7046F
BA7046F-T1
MB3793-42PNF
MB3793-42PNF-ER
MC14066BFEL
NJM2240M
NJM2240M(TE2)



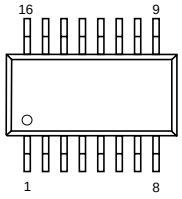
(TOP VIEW)

CXA1855Q-T6



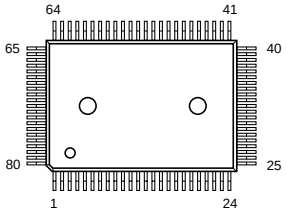
(TOP VIEW)

CXA1875AM-T4
HEF4053BT
MC14052BDR2
MC14053BF-T2
MC74F157ADR2
SN74LS221D
74HCT4046AD/S470



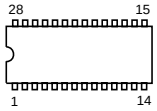
(TOP VIEW)

CXD2044Q-TL
SAA4990H/V2



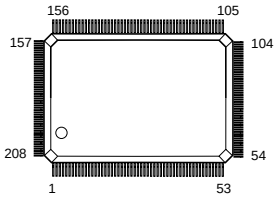
(MARKING SIDE VIEW)

CXD2053S
TDA4780/V3



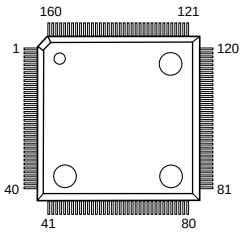
(TOP VIEW)

CXD2072Q



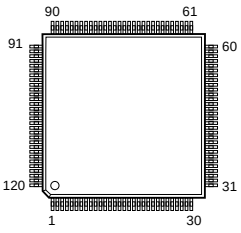
(TOP VIEW)

CXD8624Q



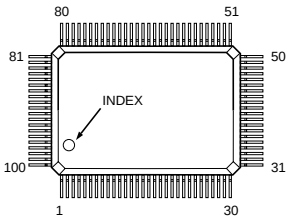
(TOP VIEW)

CXD8625Q



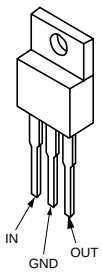
(TOP VIEW)

CXD8626Q

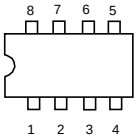


(TOP VIEW)

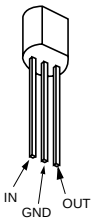
LM2940CT-9.0
LM2940T-8.0
LM2940T-9.0
L4941BV
TEA7605



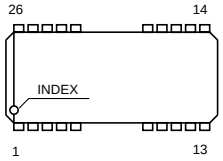
CAD005AD
LM358N
LM393P
M5216P
ST24C16FB6
TDA2822M
UPC393C



LM78L05ACZ
LM78L12ACZ
L78L05ACZ-AP
L78L12ACZ-AP
MC78LO5AC PRP

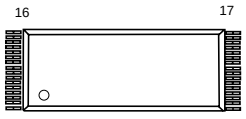


MB814400C-70PJN-ER



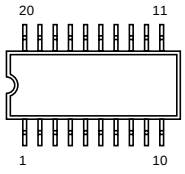
(TOP VIEW)

MBM29F04DA-90PFN



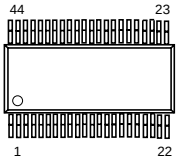
(TOP VIEW)

MC74F240DWR2
MC74F244MEL



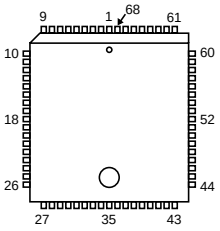
(TOP VIEW)

MSM548332-25TS-K



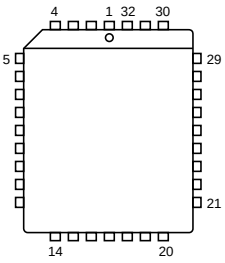
(TOP VIEW)

MSP3400C-PS-C6-T
MSP3410B-PS-F7-T-ND
SAA7185WP
SDA30C164-2-GEG
SDA30C164-2-GEG
SDA5273P-C26-GEG
SDA5275
SDA9280B22



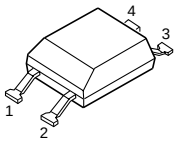
(TOP VIEW)

M27C4001-15C1-AE401
M27C4001-15C1-GE101

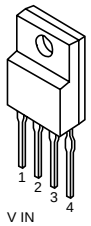


(TOP VIEW)

PC123F2
PC123FY2

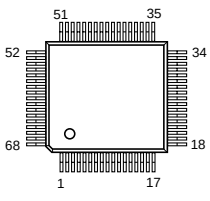


PQ05RF21



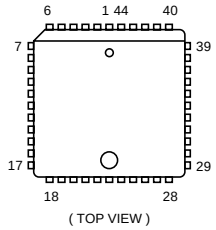
1 : V IN
2 : V OUT
3 : GND
4 : ON/OFF CONTROL

P83C654EBA/565
SDA9280A41

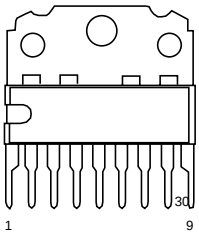


(TOP VIEW)

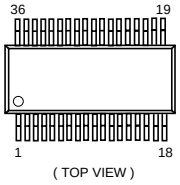
EPM7032LC44-15-AE001
SAA4952WP/V1
SAA7165WP



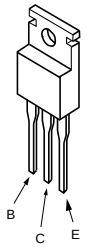
TDA6111Q
TDA6111Q/N4



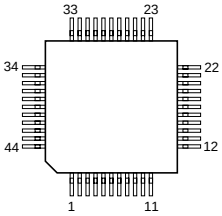
TMS4C2972-26DTR
TMS4C2972-28DTR



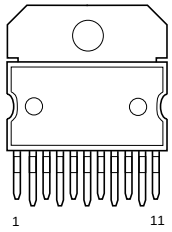
IRF620



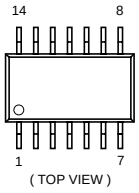
SDA9361



TDA7265

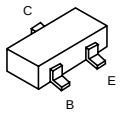


TLC2932IPW20
U2860B-BFPG3
74LVC08D

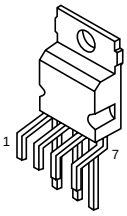


DTA114EK
DTA114EK-T146
DTA144EK
DTA144EK-T146
DTC114EK
DTC114EKA-T146
DTC124EKA-T146

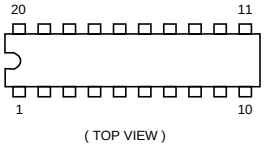
DTC144EK
DTC144EK-T146
DTC144EKA-T146
2SA1037K-T-146-R
2SA1162-G
2SC2412K-QR
2SC2412K-T-146-R



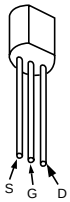
STV9379



TDA7309

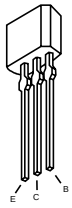


BC546B
BC556B

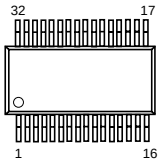


JA101TP-Q
JC501TP-Q
DTA144ESA
DTA144ESA-TP
DTC144ESA-TP
2SA1175-HFE

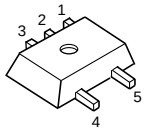
2SA733-K
2SA933AS-RT
2SA933AS-QRT
2SA933S-RT
2SC1740S-RT
2SC2785-HFE



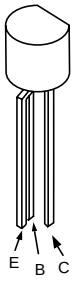
TDA8755T-T



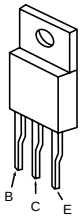
TC4S66F
TC4S66F-TE85L



BF199-AMMO



2SA1837



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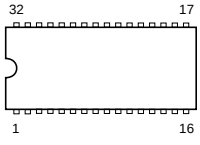
TDA9144/N2
TDA9170T



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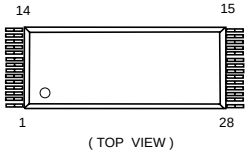

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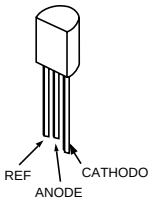
TL431CLP-Z20
TL431CPS-T1
TL431CZ



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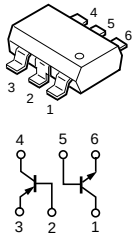

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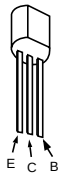
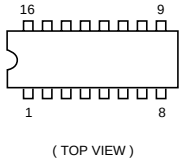
2SC2551-O
2SC2552O-TPE2



TDA4665T-T



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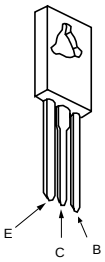

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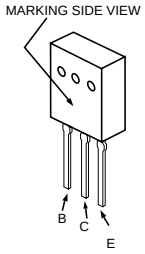

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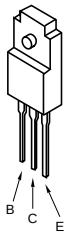

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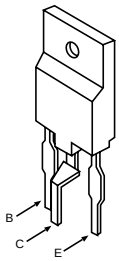

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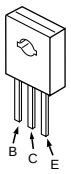
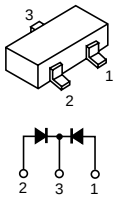


DAN202K
DAN202K-T-146



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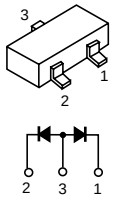
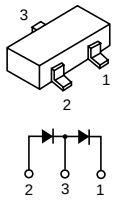
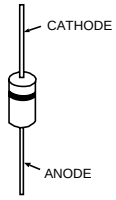
DAP202K-T-146



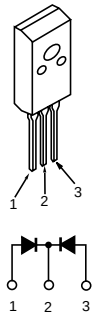
DA204K
DA204K-T-146



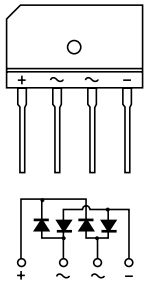
D1NL20
D1NL20-TA
D1NL20-TR
EGP20G
EL1Z
GP08D
GP08DPKG23
MTZJ-T-77-9.1
MTZJ-T-77-9.1A
R2K-V1
RGP02-20EG23
RGP02-20EL-6394
RGP10GPKG23
RGP15GPKG23
S2LA20F
1SS133T-77
1SS83
1SS83TD



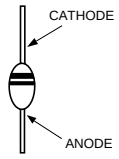
D10SC4M



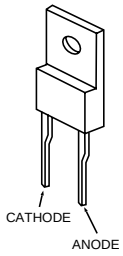
D4SB60L
D4SB60L-F
RBA-402L



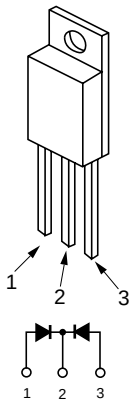
ERC38-06



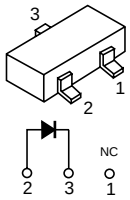
ERD08M-15



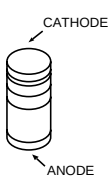
ESAD39M-06C
ESAD39M-06CF38



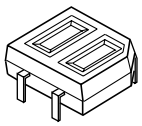
MA3033-L
MA3033L-TX
MA3056M-TX
MA3062M-TX
MA3030-H(TX)
RD5.6M-B2



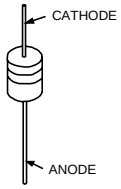
MA3051L-TX



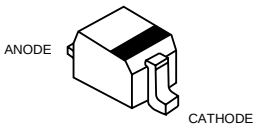
MA73-TX



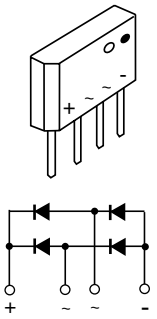
MTZJ-T-77-13B
MTZJ-T-77-15B
MTZJ-T-77-2.2A
MTZJ-T-77-33C
MTZJ-T-77-39C
MTZJ-T-77-5.6B
MTZJ-T-77-9.1B
MTZJ-13B
MTZJ-33C
MTZJ-39C
RD15ES-B2
RD5.6ESB2
RD9.1ESB2
1SS119-25
1SS119-25TD



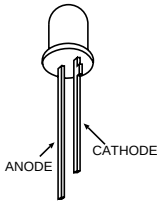
RD12SB2
UDZ-TE-17-12B

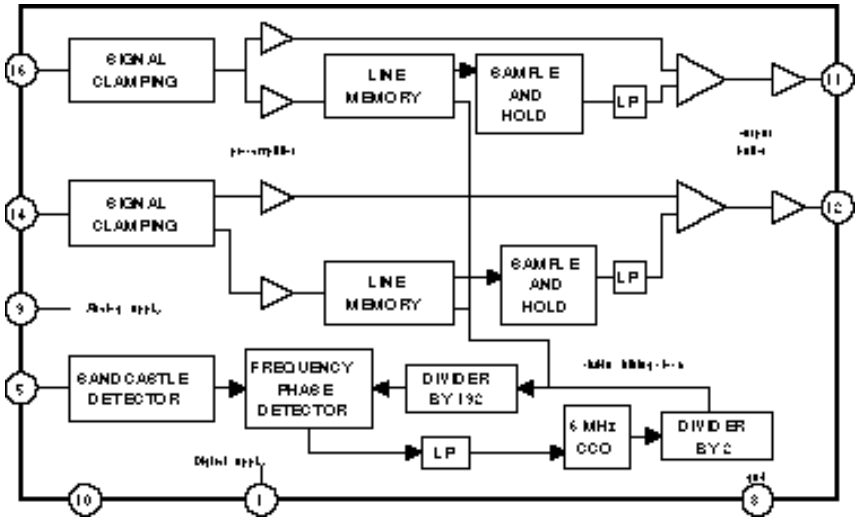


S1VB20-S
S1VB40

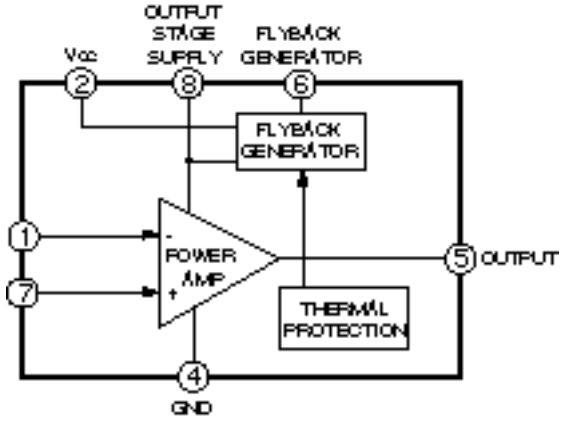


SLA-570KT3F

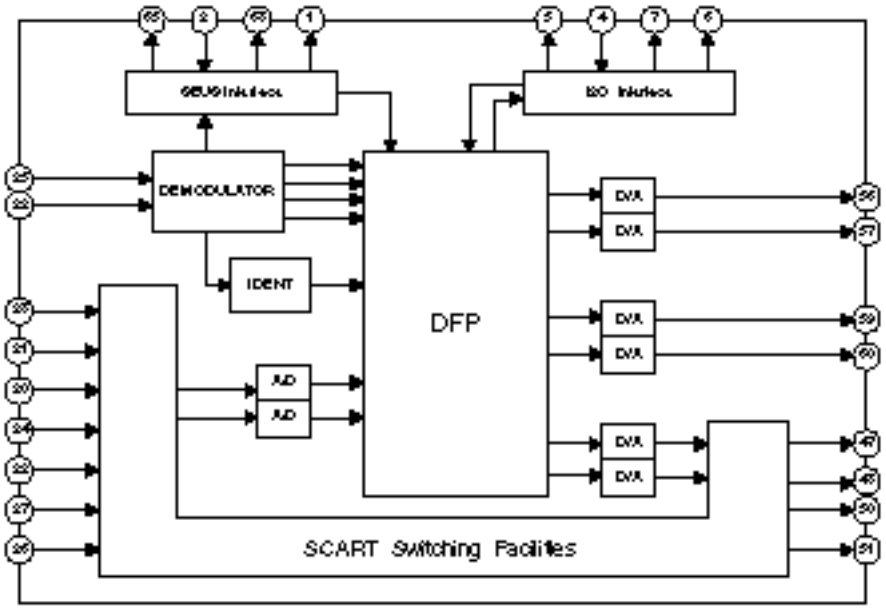




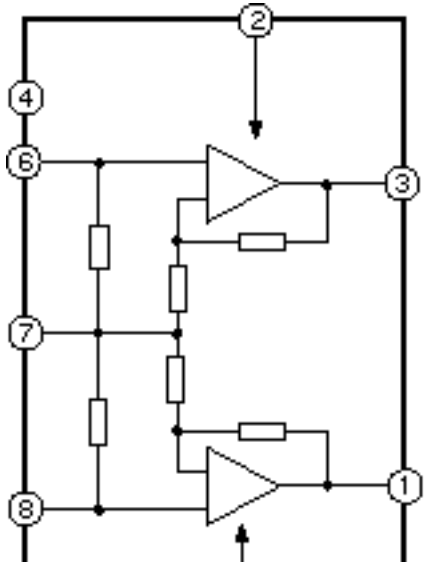
D Board IC502 STV9379



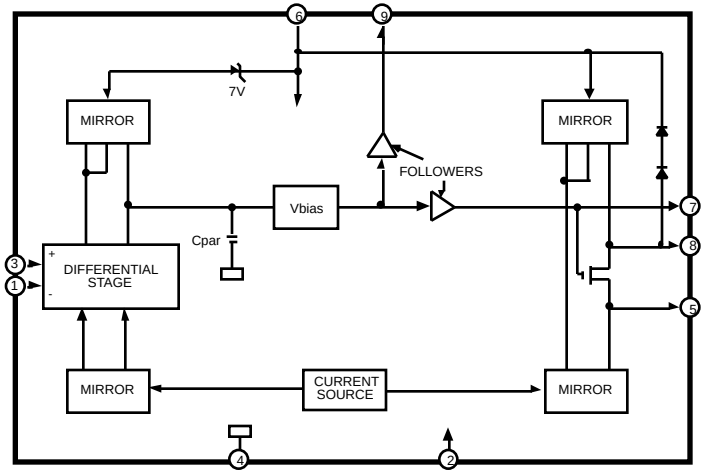
A Board IC201 MSP3410B-PS-B4-T



A Board IC20 TDA7265



C Board IC701,702,703 TDA6111Q/N4



SECTION 6

EXPLODED VIEWS

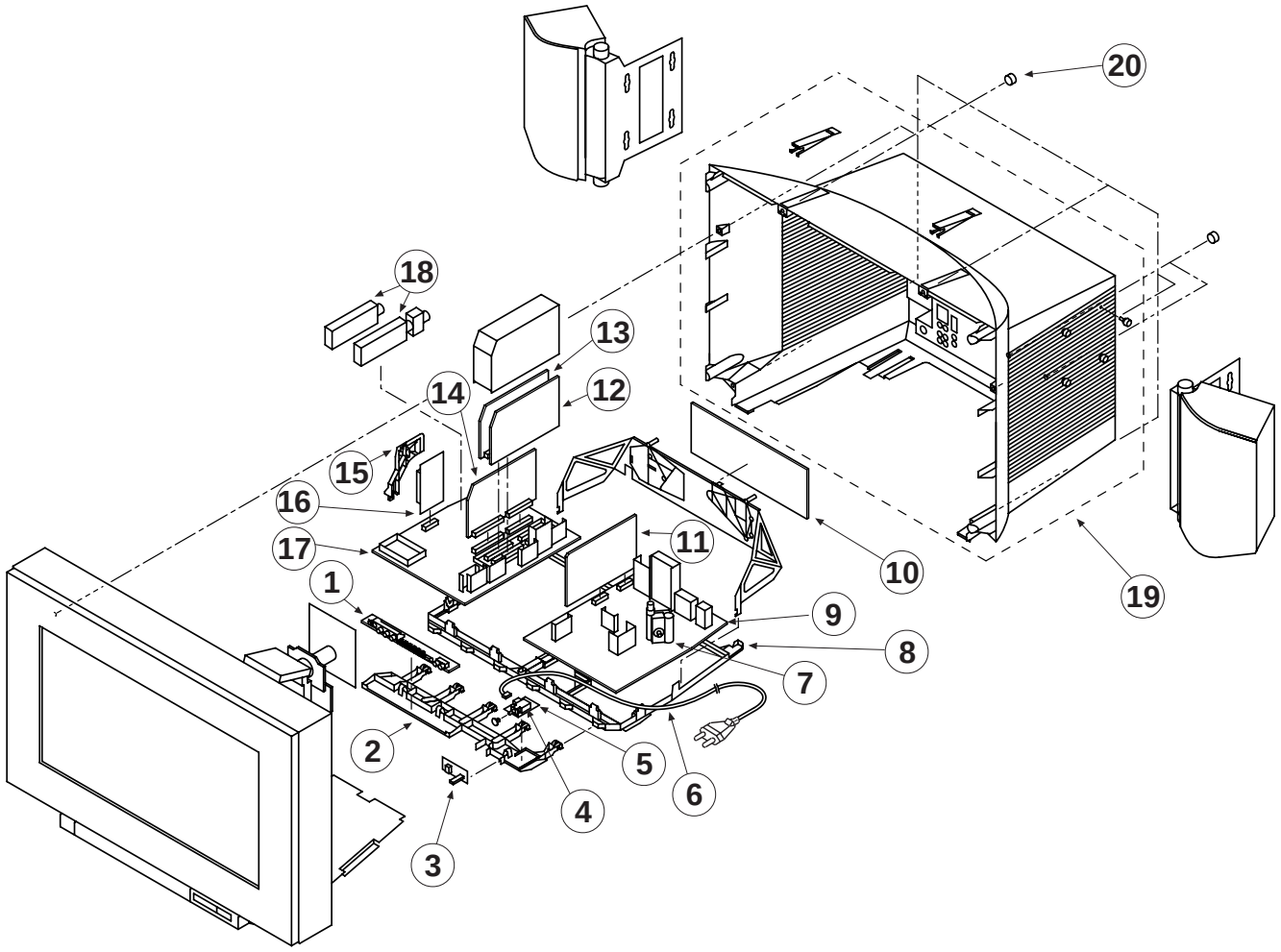
NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

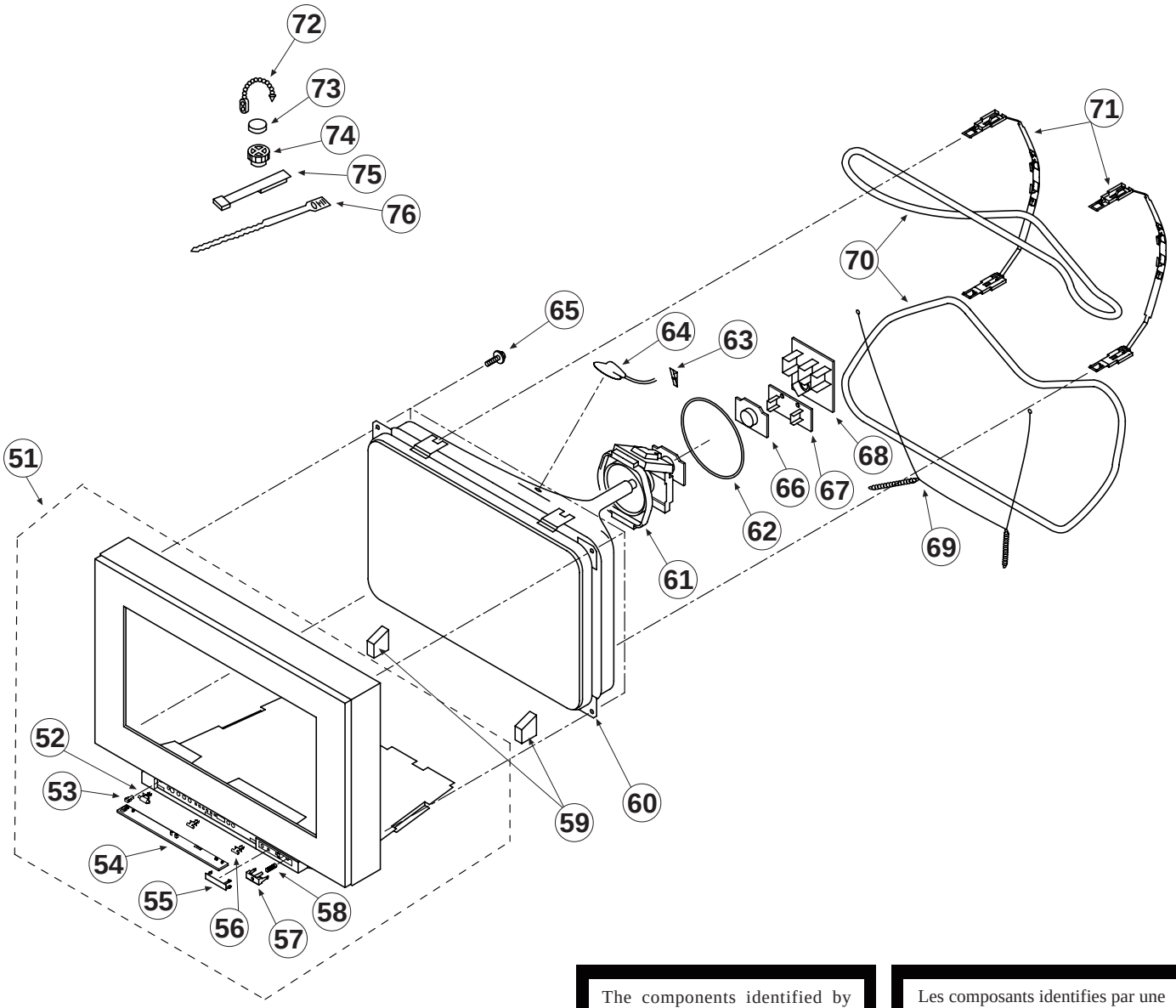
Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

6-1. CHASSIS



REF NO		PART NO	DESCRIPTION	REMARK
1		A-1646-143-A	HI BOARD, COMPLETE	
2		4-203-776-01	BRACKET, H	
3		A-1646-144-A	H2 BOARD, COMPLETE	
4	⚠	1-571-433-21	SWITCH PUSH (AC POWER)	
5		A-1624-062-A	F BOARD, COMPLETE	
6	⚠	1-751-680-11	CORD, POWER (WITH NOISE FILTER)	
7	⚠	1-453-256-11	TRANSFORMER ASSY, FLYBACK	(NX4125/U2B4)
8		4-203-784-01	BRACKET, MAIN	
9		A-1640-279-A	D BOARD, COMPLETE	(KV-28FD1E/28FD1K)
		A-1640-278-A	D BOARD, COMPLETE	(KV-32FD1E/32FD1K)
10		A-1654-027-A	J BOARD, COMPLETE	
11		A-1640-280-A	D1 BOARD, COMPLETE	(KV-28FD1E/28FD1K)
		A-1640-277-A	D1 BOARD, COMPLETE	(KV-32FD1E/32FD1K)
12		A-1620-094-A	B1 BOARD, COMPLETE	
13		A-1626-013-A	Q BOARD, COMPLETE	
14		A-1620-095-A	B BOARD, COMPLETE	
15		A-203-933-01	BRACKET, A1	
16		A-1632-661-A	A1 BOARD, COMPLETE	
17		A-1632-660-A	A BOARD, COMPLETE	(KV-28FD1E/28FD1K)
		A-1632-699-A	A BOARD, COMPLETE	(KV-32FD1E/32FD1K)
18		1-693-340-21	TUNER/VIF (AEP)	
19		X-4200-351-1	COVER ASSY, REAR	
20		4-039-358-01	SCREW (4X16), +BV TAPPING	

6-2. PICTURE TUBE



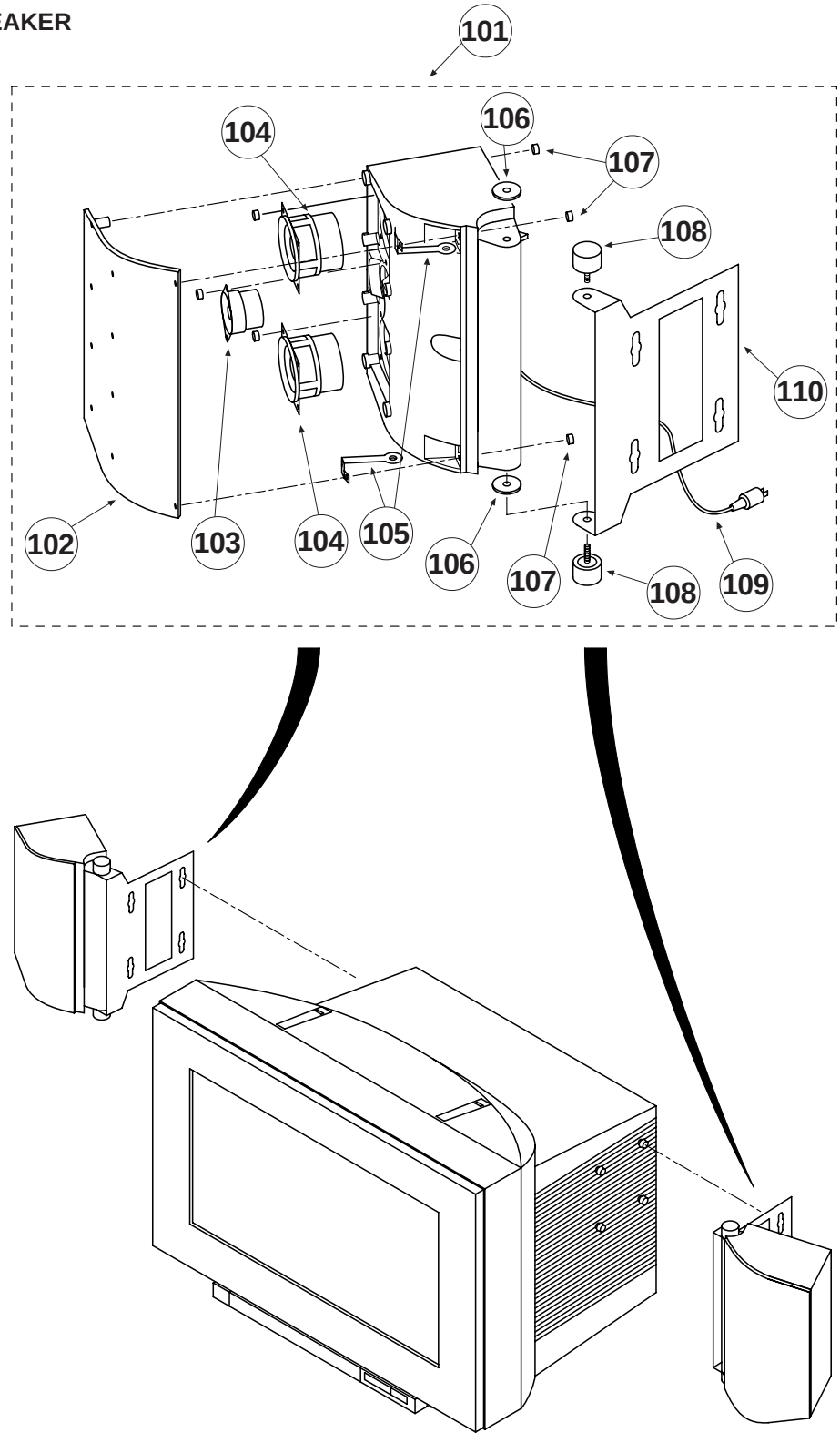
The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

REF NO		PART NO	DESCRIPTION	REMARK
51		X-4200-351-1	BEZNET ASSY	52-58
52		4-045-250-11	DAMPER	
53		4-042-192-01	CATCHER PUSH	
54		X-4200-352-1	CONTROL DOOR ASSY	
55		4-203-781-01	WINDOW, ORNAMENTAL	
56		4-202-555-01	SHAFT, DOOR	
57		4-203-780-01	BUTTON, POWER	
58		4-202-964-01	SPRING	
59		4-203-098-01	SUPPORTER, CRT	
60	⚠	8-737-779-05	PICTURE TUBE (SD-299) (M66LLX010X)	(KV-28FD1E/28FD1K)
	⚠	8-735-035-05	PICTURE TUBE (SD-302) (W76LLZ010X)	(KV-32FD1E/32FD1K)
61	⚠	1-451-463-11	DEFLECTION YOKE	(KV-28FD1E/28FD1K)
	⚠	1-451-462-11	DEFLECTION YOKE (Y32RVC)	(KV-32FD1E/32FD1K)
62		1-452-896-71	COIL, NA ROTATION (RT-200)	

REF NO		PART NO	DESCRIPTION	REMARK
63		3-704-495-01	SPACER, DY	
64	⚠	1-251-317-31	CAP ASSY, HIGH VOLTAGE	
65		4-203-216-01	PT-SCREW	
66	⚠	8-453-015-11	NECK ASSEMBLY (NA2913-M)	
67		A-1644-081-A	VM BOARD, COMPLETE	
68		A-1638-110-A	C BOARD, COMPLETE	
69		4-369-318-51	SPRING TENSION	
70	⚠	1-416-451-11	COIL DEGAUSSING	(KV-28FD1E/28FD1K)
	⚠	1-416-450-11	COIL DEGAUSSING	(KV-32FD1E/32FD1K)
71		4-057-303-01	HOLDER, DGC	(KV-28FD1E/28FD1K)
		4-059-569-01	HOLDER, DGC	(KV-32FD1E/32FD1K)
72		4-308-870-00	CLIP, LEAD WIRE	
73		1-452-032-00	MAGNET, DISK; 10MM Ø	
74		1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
75		X-4387-214-1	PERMALLOY ASSY, CORRECTION	
76		3-701-007-00	BAND BINDING	

6-3. BOX SPEAKER



REF NO	PART NO	DESCRIPTION	REMARK
101	A-1678-142-A	BOX ASSY, SPEAKER	
102	X-4200-354-1	SPEAKER GRILLE ASSY	
103	1-505-790-11	SPEAKER (5CM)	
104	1-505-791-11	SPEAKER (8CM)	
105	4-203-944-01	NUT, PLT	
106	4-203-945-01	SPACER	
107	4-039-355-11	SCREW (4X12), (+) BV TAPPING	
108	4-907-747-01	SCREW, ORNAMENTAL	
109	1-782-856-11	CABLE, SPEAKER	
110	4-203-787-01	BRACKET, SPEAKER	

SECTION 7

ELECTRICAL PARTS LIST

When indicating parts by reference number, please include the board name.

CAPACITORS COILS

MF : mF, PF : mmF MMH : mH, µH : mH

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

B1

REF.NO.	PART NO.	DESCRIPTION		REMARK
	*A-1620-094-A	B1 BOARD, COMPLETE **********		
		< CAPACITOR >		
C302	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C304	1-126-964-11	ELECT 10MF	20%	50V
C305	1-163-243-11	CERAMIC CHIP 47PF	5%	50V
C306	1-163-229-11	CERAMIC CHIP 12PF	5%	50V
C307	1-163-125-00	CERAMIC CHIP 220PF	5%	50V
C308	1-163-259-91	CERAMIC CHIP 220PF	5%	50V
C309	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C310	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C311	1-126-964-11	ELECT 10MF	20%	50V
C312	1-163-243-11	CERAMIC CHIP 47PF	5%	50V
C313	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C314	1-163-125-00	CERAMIC CHIP 220PF	5%	50V
C315	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C316	1-163-125-00	CERAMIC CHIP 220PF	5%	50V
C317	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C318	1-126-963-11	ELECT 4.7MF	20%	50V
C319	1-107-905-11	ELECT 4.7MF	20%	50V
C320	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C321	1-163-121-00	CERAMIC CHIP 150PF	5%	50V
C322	1-126-963-11	ELECT 4.7MF	20%	50V
C323	1-126-963-11	ELECT 4.7MF	20%	50V
C324	1-126-963-11	ELECT 4.7MF	20%	50V
C325	1-164-489-11	CERAMIC CHIP 0.22MF	10%	16V
C326	1-110-501-11	CERAMIC CHIP 0.33MF	10%	16V
C327	1-164-489-11	CERAMIC CHIP 0.22MF	10%	16V
C328	1-110-501-11	CERAMIC CHIP 0.33MF	10%	16V
C329	1-163-141-00	CERAMIC CHIP 0.001MF	5%	50V
C330	1-107-905-11	ELECT 4.7MF	20%	50V
C331	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C332	1-162-638-11	CERAMIC CHIP 1MF		16V
C333	1-163-989-11	CERAMIC CHIP 0.033MF	10%	25V
C334	1-163-989-11	CERAMIC CHIP 0.033MF	10%	25V
C335	1-164-489-11	CERAMIC CHIP 0.22MF	10%	16V
C336	1-162-638-11	CERAMIC CHIP 1MF		16V
C337	1-163-989-11	CERAMIC CHIP 0.033MF	10%	25V
C338	1-163-989-11	CERAMIC CHIP 0.033MF	10%	25V
C339	1-164-489-11	CERAMIC CHIP 0.22MF	10%	16V
C341	1-163-125-00	CERAMIC CHIP 220PF	5%	50V
C342	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C343	1-163-097-00	CERAMIC CHIP 15PF	5%	50V
C344	1-164-005-11	CERAMIC CHIP 0.47MF		16V
C345	1-163-105-00	CERAMIC CHIP 33PF	5%	50V
C347	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C349	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C350	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C351	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C352	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C353	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C354	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C355	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C357	1-163-105-00	CERAMIC CHIP 33PF	5%	50V
C358	1-163-237-11	CERAMIC CHIP 27PF	5%	50V
C359	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C360	1-163-105-00	CERAMIC CHIP 33PF	5%	50V
C361	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C362	1-163-097-00	CERAMIC CHIP 15PF	5%	50V
C363	1-163-125-00	CERAMIC CHIP 220PF	5%	50V
C364	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C365	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C366	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C367	1-163-103-00	CERAMIC CHIP 27PF	5%	50V
C368	1-126-964-11	ELECT 10MF	20%	50V
C369	1-163-103-00	CERAMIC CHIP 27PF	5%	50V
C370	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C371	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C372	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
C373	1-107-906-11	ELECT 10MF	20%	50V
C374	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C375	1-107-903-11	ELECT 2.2MF	20%	50V
C376	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C377	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C378	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C379	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C380	1-163-097-00	CERAMIC CHIP 15PF	5%	50V
C381	1-163-097-00	CERAMIC CHIP 15PF	5%	50V
C382	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C383	1-163-103-00	CERAMIC CHIP 27PF	5%	50V
C384	1-163-103-00	CERAMIC CHIP 27PF	5%	50V
C385	1-163-103-00	CERAMIC CHIP 27PF	5%	50V
C386	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C387	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C388	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C389	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C390	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C391	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C392	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C393	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C394	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C395	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C396	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C397	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C398	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C399	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C400	1-163-241-11	CERAMIC CHIP 39PF 5% 50V	
C401	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C402	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C403	1-126-964-11	ELECT 10MF 20% 50V	
C404	1-126-964-11	ELECT 10MF 20% 50V	
C405	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C406	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C407	1-163-241-11	CERAMIC CHIP 39PF 5% 50V	
C408	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C409	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C411	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C412	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C413	1-163-145-00	CERAMIC CHIP 0.0015MF 5% 50V	
C414	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C415	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C416	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C417	1-128-526-11	ELECT 100MF 20% 16V	
C418	1-128-526-11	ELECT 100MF 20% 16V	
C419	1-128-526-11	ELECT 100MF 20% 16V	
C420	1-128-526-11	ELECT 100MF 20% 16V	
C421	1-128-526-11	ELECT 100MF 20% 16V	
C422	1-128-526-11	ELECT 100MF 20% 16V	
C423	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C424	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C425	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C426	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C427	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C428	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C432	1-163-222-11	CERAMIC CHIP 5PF 0.25PF 50V	
C434	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C435	1-163-001-11	CERAMIC CHIP 220PF 10% 50V	
C436	1-163-007-11	CERAMIC CHIP 680PF 10% 50V	
		< CONNECTOR >	
CN301	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
CN302	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P	
		< DIODE >	
D301	8-719-914-42	DIODE DA204K	
		< FERRITE BEAD >	
FB301	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB302	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB303	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB304	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB305	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB306	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB307	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB308	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB309	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB310	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB311	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB312	1-414-553-11	INDUCTOR 0UH	
FB313	1-414-553-11	INDUCTOR 0UH	
FB314	1-414-553-11	INDUCTOR 0UH	
FB315	1-414-553-11	INDUCTOR 0UH	
FB316	1-414-553-11	INDUCTOR 0UH	
FB317	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB318	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB319	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB320	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB321	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB322	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB323	1-216-295-00	CONDUCTOR, CHIP	
FB324	1-216-295-00	CONDUCTOR, CHIP	
FB325	1-216-295-00	CONDUCTOR, CHIP	
FB326	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB327	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB328	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB329	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB330	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB331	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB332	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB333	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB334	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB335	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB336	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB337	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB338	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB339	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB340	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB341	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB342	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB343	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB344	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB345	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB346	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB347	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB348	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB349	1-414-234-11	INDUCTOR, FERRITE BEAD	
FB350	1-414-553-11	INDUCTOR 0UH	
FB351	1-216-295-00	CONDUCTOR, CHIP	
FB352	1-414-553-11	INDUCTOR 0UH	
FB353	1-414-553-11	INDUCTOR 0UH	
FB354	1-414-553-11	INDUCTOR 0UH	
FB355	1-414-553-11	INDUCTOR 0UH	
FB356	1-414-234-11	INDUCTOR, FERRITE BEAD	
		< ENCAPSULATED FILTER >	
FL301	1-233-736-21	FILTER, EMI	
FL302	1-233-736-21	FILTER, EMI	
FL303	1-233-767-21	FILTER	
FL304	1-233-736-21	FILTER, EMI	
FL305	1-415-940-21	DELAY LINE	
FL306	1-233-736-21	FILTER, EMI	
FL307	1-233-736-21	FILTER, EMI	
		< IC >	
IC301	8-759-991-41	IC LM78L05ACZ	
IC302	8-759-991-41	IC LM78L05ACZ	
IC303	8-759-426-57	IC 74HCT4046AD	
IC304	8-759-257-59	IC TDA8755T-T	
IC305	8-759-257-59	IC TDA8755T-T	

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REF.NO.	PART NO.	DESCRIPTION	REMARK
IC307	8-759-295-09	IC TLC2932IPW	
IC308	8-759-476-31	IC CXD8626AQ	
IC309	8-759-438-64	IC SAA4952WP/V1	
IC310	8-759-295-09	IC TLC2932IPW	
IC311	8-759-439-25	IC TMS4C2972-26DTR	
IC312	8-759-991-41	IC LM78L05ACZ	
IC313	8-759-439-64	IC HEF4053BT	
IC314	8-759-439-64	IC HEF4053BT	
IC315	8-759-439-64	IC HEF4053BT	
IC316	8-759-439-64	IC HEF4053BT	
IC317	8-759-470-61	IC P83C654EBA/565	
IC318	8-759-438-33	IC 74LVC08D	
IC319	8-759-439-62	IC SAA4990H/V2	
IC320	8-759-439-64	IC HEF4053BT	
IC321	8-759-439-64	IC HEF4053BT	
IC322	8-759-991-41	IC LM78L05ACZ	
IC323	8-759-439-25	IC TMS4C2972-26DTR	
IC324	8-759-467-19	IC SDA9280B22	
IC325	8-759-439-64	IC HEF4053BT	
IC326	8-759-393-55	IC MC74F244MEL	
IC327	8-759-393-55	IC MC74F244MEL	
IC328	8-759-032-14	IC MC74HC08AF	
		< COIL >	
L301	1-408-403-00	INDUCTOR 3.3UH	
L302	1-412-532-11	INDUCTOR 39UH	
L303	1-410-435-21	INDUCTOR 220UH	
L304	1-410-435-21	INDUCTOR 220UH	
L305	1-408-789-21	INDUCTOR CHIP 100UH	
L306	1-412-029-11	INDUCTOR CHIP 10UH	
L307	1-412-029-11	INDUCTOR CHIP 10UH	
L308	1-408-789-21	INDUCTOR CHIP 100UH	
L309	1-408-409-00	INDUCTOR 10UH	
L310	1-412-029-11	INDUCTOR CHIP 10UH	
L311	1-412-029-11	INDUCTOR CHIP 10UH	
L312	1-412-029-11	INDUCTOR CHIP 10UH	
L313	1-412-029-11	INDUCTOR CHIP 10UH	
L314	1-412-029-11	INDUCTOR CHIP 10UH	
L315	1-412-029-11	INDUCTOR CHIP 10UH	
L316	1-412-029-11	INDUCTOR CHIP 10UH	
L317	1-412-029-11	INDUCTOR CHIP 10UH	
L318	1-408-416-00	INDUCTOR 39UH	
L319	1-408-416-00	INDUCTOR 39UH	
		< TRANSISTOR >	
Q301	8-729-216-22	TRANSISTOR 2SA1162-G	
Q302	8-729-216-22	TRANSISTOR 2SA1162-G	
Q303	8-729-900-53	TRANSISTOR DTC114EK	
Q304	1-801-806-11	TRANSISTOR DTC144EKA	
Q305	1-801-806-11	TRANSISTOR DTC144EKA	
Q306	1-801-806-11	TRANSISTOR DTC144EKA	
Q307	1-801-806-11	TRANSISTOR DTC144EKA	
Q308	8-729-216-22	TRANSISTOR 2SA1162-G	
Q309	8-729-216-22	TRANSISTOR 2SA1162-G	
Q310	8-729-216-22	TRANSISTOR 2SA1162-G	
Q311	1-801-806-11	TRANSISTOR DTC144EKA	
Q312	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q313	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q314	8-729-620-06	TRANSISTOR 2SC3052-EF	

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< RESISTOR >	
JR3103	1-216-295-00	CONDUCTOR, CHIP	
R301	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R302	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R303	1-216-063-91	METAL GLAZE 3.9K 5% 1/10W	
R304	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R305	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R306	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R307	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R308	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R309	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R310	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R311	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R312	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
R313	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R314	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R315	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R316	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R317	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R318	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R319	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R320	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R321	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R322	1-216-048-91	METAL GLAZE 910 5% 1/10W	
R323	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R324	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R325	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R326	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
R328	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
R329	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R330	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R331	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R332	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R333	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R334	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R335	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R336	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R337	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R338	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R339	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R340	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R341	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R342	1-216-047-91	METAL GLAZE 820 5% 1/10W	
R343	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R344	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R345	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R346	1-216-115-00	METAL GLAZE 560K 5% 1/10W	
R348	1-216-295-00	CONDUCTOR, CHIP	
R349	1-216-029-00	METAL GLAZE 150 5% 1/10W	
R350	1-216-063-91	METAL GLAZE 3.9K 5% 1/10W	
R351	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R352	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R353	1-216-047-91	METAL GLAZE 820 5% 1/10W	
R354	1-216-295-00	CONDUCTOR, CHIP	
R355	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R356	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R357	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R358	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R359	1-216-063-91	METAL GLAZE 3.9K 5% 1/10W	
R362	1-216-105-91	METAL GLAZE 220K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R363	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R365	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R366	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R367	1-216-295-00	CONDUCTOR, CHIP	
R368	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R369	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R370	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R371	1-216-295-00	CONDUCTOR, CHIP	
R372	1-216-027-00	METAL GLAZE 120 5% 1/10W	
R373	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R374	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R375	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R376	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R377	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R378	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R379	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R380	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R381	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R382	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R383	1-216-076-00	METAL GLAZE 13K 5% 1/10W	
R384	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R385	1-216-013-00	METAL GLAZE 33 5% 1/10W	
R386	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R388	1-216-029-00	METAL GLAZE 150 5% 1/10W	
R389	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R390	1-216-013-00	METAL GLAZE 33 5% 1/10W	
R391	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R393	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R394	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R395	1-216-027-00	METAL GLAZE 120 5% 1/10W	
R396	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R397	1-216-295-00	CONDUCTOR, CHIP	
R398	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R399	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R400	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R401	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R402	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R403	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R404	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R405	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R406	1-216-295-00	CONDUCTOR, CHIP	
R407	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R408	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R409	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R410	1-216-295-00	CONDUCTOR, CHIP	
R411	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R413	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R414	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R415	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R416	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R417	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R418	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R419	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R420	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R421	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R422	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R423	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R424	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R425	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R426	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R427	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R428	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R429	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R430	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R431	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R432	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R433	1-216-295-00	CONDUCTOR, CHIP	
R434	1-216-295-00	CONDUCTOR, CHIP	
R435	1-216-295-00	CONDUCTOR, CHIP	
R436	1-216-295-00	CONDUCTOR, CHIP	
R437	1-216-295-00	CONDUCTOR, CHIP	
R438	1-216-295-00	CONDUCTOR, CHIP	
R439	1-216-295-00	CONDUCTOR, CHIP	
R440	1-216-295-00	CONDUCTOR, CHIP	
R441	1-216-295-00	CONDUCTOR, CHIP	
R442	1-216-295-00	CONDUCTOR, CHIP	
R443	1-216-295-00	CONDUCTOR, CHIP	
R444	1-216-295-00	CONDUCTOR, CHIP	
R445	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R446	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R447	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R448	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R449	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R450	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R451	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R456	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R457	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R458	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R461	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R462	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R465	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R466	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R467	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R468	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R469	1-216-001-00	METAL GLAZE 10 5% 1/10W	
		< CRYSTAL >	
X301	1-579-175-11	VIBRATOR, CERAMIC	

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*A-1620-095-A B BOARD, COMPLETE
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< CAPACITOR >

C3301	1-126-963-11	ELECT	4.7MF	20%	50V
C3302	1-126-963-11	ELECT	4.7MF	20%	50V
C3303	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3304	1-164-506-11	CERAMIC CHIP	4.7MF		16V
C3305	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C3306	1-164-346-11	CERAMIC CHIP	1MF		16V
C3307	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3308	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C3309	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C3310	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3311	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C3312	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C3313	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C3315	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C3316	1-164-506-11	CERAMIC CHIP	4.7MF		16V
C3401	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3402	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C3403	1-126-963-11	ELECT	4.7MF	20%	50V

B

REF.NO.	PART NO.	DESCRIPTION		REMARK
C3404	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3405	1-163-222-11	CERAMIC CHIP 5PF	0.25PF 50V	
C3406	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	
C3407	1-126-965-11	ELECT 22MF	20% 50V	
C3408	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3410	1-126-933-11	ELECT 100MF	20% 10V	
C3411	1-126-963-11	ELECT 4.7MF	20% 50V	
C3412	1-126-963-11	ELECT 4.7MF	20% 50V	
C3413	1-164-506-11	CERAMIC CHIP 4.7MF	16V	
C3414	1-163-275-11	CERAMIC CHIP 0.001MF	5% 50V	
C3415	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3416	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3418	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3420	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3421	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3422	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3423	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3424	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3425	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3426	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3427	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3428	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3429	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3430	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3431	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3432	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3433	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3434	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3435	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3450	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	
C3460	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	
C3461	1-126-966-11	ELECT 33MF	20% 16V	
C3462	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	
C3463	1-126-964-11	ELECT 10MF	20% 50V	
C3502	1-126-963-11	ELECT 4.7MF	20% 50V	
C3513	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3518	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	
C3519	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	
C3520	1-165-320-11	CERAMIC CHIP 0.47MF	10% 16V	
C3521	1-164-506-11	CERAMIC CHIP 4.7MF	16V	
C3522	1-164-506-11	CERAMIC CHIP 4.7MF	16V	
C3523	1-126-963-11	ELECT 4.7MF	20% 50V	
C3546	1-164-505-11	CERAMIC CHIP 2.2MF	16V	
C3547	1-164-505-11	CERAMIC CHIP 2.2MF	16V	
C3550	1-164-506-11	CERAMIC CHIP 4.7MF	16V	
C3551	1-164-506-11	CERAMIC CHIP 4.7MF	16V	
C3555	1-163-231-11	CERAMIC CHIP 15PF	5% 50V	
C3556	1-163-231-11	CERAMIC CHIP 15PF	5% 50V	
C3601	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3602	1-163-231-11	CERAMIC CHIP 15PF	5% 50V	
C3603	1-163-231-11	CERAMIC CHIP 15PF	5% 50V	
C3604	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	
C3607	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3608	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	
C3609	1-165-320-11	CERAMIC CHIP 0.47MF	10% 16V	
C3619	1-126-963-11	ELECT 4.7MF	20% 50V	
C3620	1-126-963-11	ELECT 4.7MF	20% 50V	
C3621	1-126-963-11	ELECT 4.7MF	20% 50V	
C3622	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3702	1-126-933-11	ELECT 100MF	20% 16V	
C3704	1-126-933-11	ELECT 100MF	20% 16V	
C3705	1-126-933-11	ELECT 100MF	20% 16V	
C3706	1-126-933-11	ELECT 100MF	20% 16V	
C3708	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3711	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	
C3712	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	
C3713	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	
C3714	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	
C3715	1-163-222-11	CERAMIC CHIP 5PF	0.25PF 50V	
C3716	1-126-933-11	ELECT 100MF	20% 16V	
C3717	1-163-222-11	CERAMIC CHIP 5PF	0.25PF 50V	
C3724	1-163-222-11	CERAMIC CHIP 5PF	0.25PF 50V	
C3725	1-163-222-11	CERAMIC CHIP 5PF	0.25PF 50V	
C3726	1-126-933-11	ELECT 100MF	20% 16V	
C3727	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3728	1-126-933-11	ELECT 100MF	20% 16V	
C3730	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3731	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3733	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3734	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3735	1-126-933-11	ELECT 100MF	20% 16V	
C3744	1-126-933-11	ELECT 100MF	20% 16V	
C3745	1-126-933-11	ELECT 100MF	20% 16V	
C3746	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3747	1-126-964-11	ELECT 10MF	20% 50V	
C3754	1-126-964-11	ELECT 10MF	20% 50V	
C3755	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3756	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3758	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3760	1-126-933-11	ELECT 100MF	20% 16V	
C3761	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3762	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3763	1-126-964-11	ELECT 10MF	20% 50V	
C3767	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3768	1-164-346-11	CERAMIC CHIP 1MF	16V	
C3769	1-164-346-11	CERAMIC CHIP 1MF	16V	
C3770	1-164-346-11	CERAMIC CHIP 1MF	16V	
C3771	1-126-964-11	ELECT 10MF	20% 50V	
C3772	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3775	1-126-933-11	ELECT 100MF	20% 16V	
C3776	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3777	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3778	1-126-933-11	ELECT 100MF	20% 16V	
C3779	1-126-933-11	ELECT 100MF	20% 16V	
C3787	1-126-933-11	ELECT 100MF	20% 16V	
C3789	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3792	1-126-933-11	ELECT 100MF	20% 16V	
C3793	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3794	1-126-933-11	ELECT 100MF	20% 16V	
C3795	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3805	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3806	1-126-933-11	ELECT 100MF	20% 16V	
C3807	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3808	1-126-933-11	ELECT 100MF	20% 16V	
C3809	1-126-933-11	ELECT 100MF	20% 16V	
C3810	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3811	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3812	1-126-933-11	ELECT 100MF	20% 16V	
C3813	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3814	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	
C3815	1-163-259-91	CERAMIC CHIP 220PF	5% 50V	
C3817	1-126-933-11	ELECT 100MF	20% 16V	

REF.NO.	PART NO.	DESCRIPTION	REMARK
C3819	1-126-933-11	ELECT 100MF 20% 16V	
C3823	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C3824	1-126-933-11	ELECT 100MF 20% 16V	
C3825	1-126-933-11	ELECT 100MF 20% 16V	
C3826	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
		< CONNECTOR >	
CN3701	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
CN3702	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P	
		< DIODE >	
D3501	8-719-401-41	DIODE MA3051L-TX	
D3601	8-719-401-41	DIODE MA3051L-TX	
		< FERRITE BEAD >	
FB3701	1-216-295-00	CONDUCTOR, CHIP	
FB3702	1-216-295-00	CONDUCTOR, CHIP	
FB3703	1-216-295-00	CONDUCTOR, CHIP	
FB3704	1-216-295-00	CONDUCTOR, CHIP	
FB3705	1-216-295-00	CONDUCTOR, CHIP	
FB3706	1-216-295-00	CONDUCTOR, CHIP	
FB3707	1-216-295-00	CONDUCTOR, CHIP	
FB3708	1-216-295-00	CONDUCTOR, CHIP	
FB3709	1-216-295-00	CONDUCTOR, CHIP	
FB3710	1-216-295-00	CONDUCTOR, CHIP	
FB3711	1-216-295-00	CONDUCTOR, CHIP	
FB3712	1-216-295-00	CONDUCTOR, CHIP	
FB3713	1-216-295-00	CONDUCTOR, CHIP	
FB3714	1-216-295-00	CONDUCTOR, CHIP	
FB3715	1-216-295-00	CONDUCTOR, CHIP	
FB3716	1-216-295-00	CONDUCTOR, CHIP	
FB3717	1-216-295-00	CONDUCTOR, CHIP	
FB3718	1-216-295-00	CONDUCTOR, CHIP	
FB3719	1-216-295-00	CONDUCTOR, CHIP	
FB3720	1-216-295-00	CONDUCTOR, CHIP	
FB3721	1-216-295-00	CONDUCTOR, CHIP	
FB3722	1-216-295-00	CONDUCTOR, CHIP	
FB3723	1-216-295-00	CONDUCTOR, CHIP	
FB3724	1-216-295-00	CONDUCTOR, CHIP	
		< ENCAPSULATED FILTER >	
FL3301	1-236-071-11	ENCAPSULATED COMPONENT	
FL3302	1-236-071-11	ENCAPSULATED COMPONENT	
FL3401	1-236-071-11	ENCAPSULATED COMPONENT	
FL3402	1-236-071-11	ENCAPSULATED COMPONENT	
FL3403	1-236-071-11	ENCAPSULATED COMPONENT	
FL3404	1-233-766-21	FILTER	
FL3405	1-233-768-21	FILTER (SMD)	
FL3406	1-236-071-11	ENCAPSULATED COMPONENT	
FL3410	1-233-765-21	FILTER	
FL3502	1-236-071-11	ENCAPSULATED COMPONENT	
FL3602	1-236-071-11	ENCAPSULATED COMPONENT	
FL3701	1-233-446-11	FILTER, LOW PASS	
FL3702	1-233-446-11	FILTER, LOW PASS	
FL3703	1-233-446-11	FILTER, LOW PASS	
FL3704	1-235-096-00	FILTER, LINE	
FL3705	1-235-096-00	FILTER, LINE	
FL3706	1-235-096-00	FILTER, LINE	
FL3707	1-235-096-00	FILTER, LINE	

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< IC >	
IC3301	8-752-383-01	IC CXD2053AS	
IC3401	8-752-379-35	IC CXD2044Q-TL	
IC3402	8-759-711-62	IC NJM2240M	
IC3403	8-759-385-76	IC MC14052BDR2	
IC3502	8-759-447-67	IC TDA9144/N1	
IC3503	8-759-288-85	IC TDA4665T-T	
IC3601	8-759-447-68	IC TDA9143/N1	
IC3602	8-759-288-85	IC TDA4665T-T	
IC3702	8-759-295-09	IC TLC2932IPW	
IC3703	8-759-295-09	IC TLC2932IPW	
IC3704	8-759-478-46	IC MSM548332-25TS-K	
IC3705	8-759-271-88	IC TC7SHU04FU	
IC3706	8-759-480-00	IC CXD2072Q	
IC3707	8-752-388-97	IC CXD2303Q-TL	
IC3708	8-759-478-46	IC MSM548332-25TS-K	
IC3709	8-759-485-79	IC TC7SET08FU-TE85L	
IC3710	8-759-485-79	IC TC7SET08FU-TE85L	
IC3711	8-759-478-92	IC TC7SET04FU(TE85R)	
IC3712	8-759-991-41	IC L78L05ACZ	
IC3713	8-759-991-41	IC L78L05ACZ	
IC3715	8-759-478-92	IC TC7SET04FU(TE85R)	
IC3716	8-759-478-92	IC TC7SET04FU(TE85R)	
IC3717	8-759-485-79	IC TC7SET08FU-TE85L	
IC3718	8-759-485-79	IC TC7SET08FU-TE85L	
		< COIL >	
L3705	1-412-029-11	INDUCTOR CHIP 10UH	
L3706	1-412-029-11	INDUCTOR CHIP 10UH	
L3707	1-412-029-11	INDUCTOR CHIP 10UH	
L3709	1-412-029-11	INDUCTOR CHIP 10UH	
L3710	1-412-029-11	INDUCTOR CHIP 10UH	
L3711	1-412-029-11	INDUCTOR CHIP 10UH	
L3712	1-412-029-11	INDUCTOR CHIP 10UH	
L3713	1-412-029-11	INDUCTOR CHIP 10UH	
L3714	1-412-029-11	INDUCTOR CHIP 10UH	
L3715	1-412-029-11	INDUCTOR CHIP 10UH	
L3716	1-412-029-11	INDUCTOR CHIP 10UH	
L3717	1-412-029-11	INDUCTOR CHIP 10UH	
L3718	1-412-029-11	INDUCTOR CHIP 10UH	
L3719	1-412-029-11	INDUCTOR CHIP 10UH	
L3720	1-412-029-11	INDUCTOR CHIP 10UH	
L3721	1-408-417-00	INDUCTOR 47UH	
		< TRANSISTOR >	
Q3301	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3305	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3401	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3402	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3403	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3404	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3405	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3406	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3407	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3408	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3409	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3410	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3411	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3412	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3413	8-729-216-22	TRANSISTOR 2SA1162-G	

B

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q3414	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3415	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3416	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3417	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3418	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3501	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3502	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3515	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q3516	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q3517	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q3521	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3522	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3523	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3524	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3525	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3526	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3527	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3528	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3601	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q3602	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q3603	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q3604	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3605	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q3611	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3612	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3701	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3702	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3703	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3704	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3705	8-729-216-22	TRANSISTOR 2SA1162-G	
Q3706	8-729-216-22	TRANSISTOR 2SA1162-G	
		< RESISTOR >	
JR3439	1-216-295-00	CONDUCTOR, CHIP	
JR3440	1-216-295-00	CONDUCTOR, CHIP	
JR3504	1-216-295-00	CONDUCTOR, CHIP	
JR3505	1-216-295-00	CONDUCTOR, CHIP	
JR3601	1-216-295-00	CONDUCTOR, CHIP	
JR3602	1-216-295-00	CONDUCTOR, CHIP	
R3301	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R3302	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R3303	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R3304	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R3305	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3306	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R3307	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R3308	1-216-013-00	METAL GLAZE 33 5% 1/10W	
R3309	1-216-005-00	METAL GLAZE 15 5% 1/10W	
R3310	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R3311	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R3312	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R3313	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R3315	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R3316	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R3317	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3401	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R3402	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R3403	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R3404	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R3405	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R3406	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R3407	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R3408	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R3409	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R3410	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R3411	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R3419	1-216-043-91	METAL GLAZE 560 5% 1/10W	
R3420	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R3421	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3425	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R3430	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R3431	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R3432	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R3433	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R3434	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R3435	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R3436	1-216-653-11	METAL CHIP 1.2K 0.50% 1/10W	
R3437	1-216-666-11	METAL CHIP 4.3K 0.50% 1/10W	
R3438	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3439	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3440	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R3441	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R3442	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R3444	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R3446	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R3447	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R3448	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3449	1-216-125-00	METAL GLAZE 1.5M 5% 1/10W	
R3450	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R3451	1-216-047-91	METAL GLAZE 820 5% 1/10W	
R3452	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R3453	1-216-047-91	METAL GLAZE 820 5% 1/10W	
R3454	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R3461	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R3462	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R3464	1-216-045-91	METAL GLAZE 680 5% 1/10W	
R3465	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3467	1-216-045-91	METAL GLAZE 680 5% 1/10W	
R3468	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3469	1-216-091-91	METAL GLAZE 56K 5% 1/10W	
R3470	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R3471	1-216-091-91	METAL GLAZE 56K 5% 1/10W	
R3472	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R3508	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R3511	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
R3512	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R3513	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R3514	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R3517	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R3521	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3522	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R3523	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R3530	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3531	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3532	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3533	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3534	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3535	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3536	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3537	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R3538	1-216-041-00	METAL GLAZE 470 5% 1/10W	

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

B F

REF.NO.	PART NO.	DESCRIPTION				REMARK
R3540	1-216-017-91	METAL GLAZE	47	5%	1/10W	
R3541	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3542	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3545	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3546	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3551	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R3552	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R3577	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3578	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3579	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3580	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3581	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3582	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3583	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3584	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3585	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3601	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R3602	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R3603	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3604	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3605	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R3606	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R3607	1-216-037-00	METAL GLAZE	330	5%	1/10W	
R3608	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R3609	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R3610	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3611	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3612	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3613	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3614	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3615	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3616	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3617	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3618	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3619	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R3626	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3627	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3628	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3629	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3661	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R3662	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R3701	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R3702	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R3703	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R3704	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R3705	1-216-117-00	METAL GLAZE	680K	5%	1/10W	
R3706	1-216-117-00	METAL GLAZE	680K	5%	1/10W	
R3707	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3708	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3709	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R3710	1-216-295-00	CONDUCTOR, CHIP				
R3711	1-216-295-00	CONDUCTOR, CHIP				
R3714	1-216-121-91	METAL GLAZE	1M	5%	1/10W	
R3716	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3717	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3718	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3719	1-216-295-00	CONDUCTOR, CHIP				
R3720	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R3721	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R3722	1-216-121-91	METAL GLAZE	1M	5%	1/10W	
R3723	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R3728	1-216-607-11	METAL CHIP	15	0.50%	1/10W	
R3729	1-216-607-11	METAL CHIP	15	0.50%	1/10W	
R3730	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R3731	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R3734	1-216-639-11	METAL CHIP	330	0.50%	1/10W	
R3735	1-216-627-11	METAL CHIP	100	0.50%	1/10W	
R3736	1-216-627-11	METAL CHIP	100	0.50%	1/10W	
R3737	1-216-625-11	METAL CHIP	82	0.50%	1/10W	
R3738	1-216-013-00	METAL GLAZE	33	5%	1/10W	
R3739	1-216-633-11	METAL CHIP	180	0.50%	1/10W	
R3740	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R3741	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R3742	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	
R3743	1-216-633-11	METAL CHIP	180	0.50%	1/10W	
R3744	1-216-633-11	METAL CHIP	180	0.50%	1/10W	
R3745	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R3746	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R3747	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R3748	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R3749	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R3750	1-216-029-00	METAL GLAZE	150	5%	1/10W	
R3751	1-216-049-71	METAL GLAZE	10K	5%	1/10W	
R3752	1-216-049-71	METAL GLAZE	10K	5%	1/10W	
R3753	1-216-045-91	METAL GLAZE	680	5%	1/10W	
R3754	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3755	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3756	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R3757	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R3764	1-216-607-11	METAL CHIP	15	0.50%	1/10W	
R3765	1-216-607-11	METAL CHIP	15	0.50%	1/10W	
R3766	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R3773	1-216-035-91	METAL GLAZE	270	5%	1/10W	
R3774	1-216-041-71	METAL GLAZE	470	5%	1/10W	
R3775	1-216-041-71	METAL GLAZE	470	5%	1/10W	
R3776	1-216-295-00	CONDUCTOR, CHIP				
R3786	1-216-025-00	METAL GLAZE	100	5%	1/10W	

< CRYSTAL >

X3301	1-767-342-21	VIBRATOR, CRYSTAL	
X3501	1-567-505-11	OSCILLATOR, CRYSTAL	
X3502	1-567-504-11	OSCILLATOR, CRYSTAL	
X3601	1-567-505-11	OSCILLATOR, CRYSTAL	
X3602	1-567-504-11	OSCILLATOR, CRYSTAL	
X3701	1-767-262-11	VIBRATOR, CRYSTAL	
X3702	1-767-262-11	VIBRATOR, CRYSTAL	

****

	*A-1624-062-A	F BOARD, COMPLETE	
		**********	

< CONNECTOR >

CN1601	⚠ *1-580-844-11	PIN, CONNECTOR (POWER)	
CN1602	⚠ *1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P	
CN1603	1-695-915-11	TAB (CONTACT)	

< FUSE >

F1601	⚠ 1-532-505-41	FUSE 5A/250V	
	*1-533-725-11	HOLDER, FUSE (F1601)	

F Q

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION		REMARK
		< SWITCH >		
S1601 ⚠	1-571-433-21	SWITCH, PUSH (AC POWER)		
		**********		
	*A-1626-013-A	Q BOARD, COMPLETE		
		**********		
		< CAPACITOR >		
C1	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2	1-126-968-11	ELECT 100MF	20%	50V
C3	1-126-968-11	ELECT 100MF	20%	50V
C4	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C5	1-165-319-11	CERAMIC CHIP 0.1MF		50V
C6	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C7	1-126-965-11	ELECT 22MF	20%	50V
C8	1-126-935-11	ELECT 470MF	20%	16V
C9	1-165-319-11	CERAMIC CHIP 0.1MF		50V
C10	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C12	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C13	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C14	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C15	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C17	1-165-319-11	CERAMIC CHIP 0.1MF		50V
C18	1-164-222-11	CERAMIC CHIP 0.22MF		25V
C19	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C20	1-163-077-00	CERAMIC CHIP 0.1MF		50V
C21	1-165-319-11	CERAMIC CHIP 0.1MF		50V
C22	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C23	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C24	1-165-319-11	CERAMIC CHIP 0.1MF		50V
C25	1-165-319-11	CERAMIC CHIP 0.1MF		50V
C26	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C28	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C30	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C31	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C32	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C33	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C34	1-164-505-11	CERAMIC CHIP 2.2MF		16V
C35	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C36	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C37	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C38	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C39	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C40	1-126-967-11	ELECT 47MF	20%	16V
C42	1-126-965-11	ELECT 22MF	20%	50V
C43	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C44	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C45	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C46	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C48	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C49	1-163-127-00	CERAMIC CHIP 270PF	5%	50V
C50	1-163-227-11	CERAMIC CHIP 10PF	0.5PF	50V
C51	1-163-227-11	CERAMIC CHIP 10PF	0.5PF	50V
C52	1-126-964-11	ELECT 10MF	20%	50V
C53	1-126-967-11	ELECT 47MF	20%	50V
C54	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C55	1-104-760-11	CERAMIC CHIP 0.047MF	10%	50V
C56	1-126-967-11	ELECT 47MF	20%	50V
C57	1-104-760-11	CERAMIC CHIP 0.047MF	10%	50V
C58	1-104-760-11	CERAMIC CHIP 0.047MF	10%	50V
C59	1-104-760-11	CERAMIC CHIP 0.047MF	10%	50V
C60	1-163-037-11	CERAMIC CHIP 0.022MF	10%	50V
C61	1-164-489-11	CERAMIC CHIP 0.22MF	10%	16V
C62	1-104-760-11	CERAMIC CHIP 0.047MF	10%	50V
C63	1-104-760-11	CERAMIC CHIP 0.047MF	10%	50V
C64	1-104-760-11	CERAMIC CHIP 0.047MF	10%	50V
C65	1-164-489-11	CERAMIC CHIP 0.22MF	10%	16V
C66	1-164-489-11	CERAMIC CHIP 0.22MF	10%	16V
C67	1-163-231-11	CERAMIC CHIP 15PF	5%	50V
C68	1-163-037-11	CERAMIC CHIP 0.022MF	10%	50V
C70	1-126-967-11	ELECT 47MF	20%	50V
C71	1-163-239-11	CERAMIC CHIP 33PF	5%	50V
C72	1-163-037-11	CERAMIC CHIP 0.022MF	10%	50V
C73	1-126-967-11	ELECT 47MF	20%	50V
C74	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
		< CONNECTOR >		
CN1	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P		
CN2	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P		
		< DELAY LINE >		
DL1	1-411-578-21	DELAY LINE, LC		
		< FERRITE BEAD >		
FB1	1-216-295-00	CONDUCTOR, CHIP		
FB2	1-414-553-11	INDUCTOR 0UH		
FB3	1-414-553-11	INDUCTOR 0UH		
FB4	1-414-553-11	INDUCTOR 0UH		
FB5	1-216-295-00	CONDUCTOR, CHIP		
FB6	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB7	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB8	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB9	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB10	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB11	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB12	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB13	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB14	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB15	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB16	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB17	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB18	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB19	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB20	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB21	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB22	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB23	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB24	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB25	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB26	1-414-234-11	INDUCTOR, FERRITE BEAD		
FB27	1-216-295-00	CONDUCTOR, CHIP		
FB28	1-216-295-00	CONDUCTOR, CHIP		
		< ENCAPSULATED FILTER >		
FL1	1-236-071-11	ENCAPSULATED COMPONENT		
FL2	1-236-071-11	ENCAPSULATED COMPONENT		
		< IC >		
IC1	8-759-432-96	IC MC74F157ADR2		
IC2	8-759-432-95	IC CXD8624Q		

Q

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC3	8-759-432-96	IC MC74F157ADR2	
IC4	8-759-432-35	IC MC74F240DWR2	
IC5	8-759-432-96	IC MC74F157ADR2	
IC6	8-759-432-96	IC MC74F157ADR2	
IC7	8-759-432-94	IC CXD8625Q	
IC8	8-759-439-25	IC TMS4C2972-26DTR	
IC9	8-759-432-96	IC MC74F157ADR2	
IC10	8-759-458-17	IC SAA7165WP	
IC11	8-759-439-25	IC TMS4C2972-26DTR	
IC12	8-759-458-70	IC EPM7032LC44-15-AE4001	
IC13	8-759-458-18	IC TDA8501T	
		< COIL >	
L1	1-408-409-00	INDUCTOR 10UH	
L2	1-408-409-00	INDUCTOR 10UH	
L3	1-408-409-00	INDUCTOR 10UH	
L4	1-410-428-11	INDUCTOR 56UH	
L5	1-408-607-31	INDUCTOR 22UH	
L7	1-408-607-31	INDUCTOR 22UH	
		< TRANSISTOR >	
Q1	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q2	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q3	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4	8-729-620-06	TRANSISTOR 2SC3052-EF	
		< RESISTOR >	
R1	1-216-019-00	METAL GLAZE 56 5% 1/10W	
R2	1-216-015-00	METAL GLAZE 39 5% 1/10W	
R6	1-216-295-00	CONDUCTOR, CHIP	
R8	1-216-295-00	CONDUCTOR, CHIP	
R9	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R11	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R13	1-216-295-00	CONDUCTOR, CHIP	
R14	1-216-295-00	CONDUCTOR, CHIP	
R15	1-216-295-00	CONDUCTOR, CHIP	
R16	1-216-295-00	CONDUCTOR, CHIP	
R18	1-216-295-00	CONDUCTOR, CHIP	
R19	1-216-295-00	CONDUCTOR, CHIP	
R20	1-216-295-00	CONDUCTOR, CHIP	
R23	1-216-295-00	CONDUCTOR, CHIP	
R24	1-216-295-00	CONDUCTOR, CHIP	
R25	1-216-295-00	CONDUCTOR, CHIP	
R26	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R27	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R28	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R29	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R30	1-216-295-00	CONDUCTOR, CHIP	
R33	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R34	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R35	1-216-013-00	METAL GLAZE 33 5% 1/10W	
R36	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R37	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R42	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R47	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R50	1-216-295-00	CONDUCTOR, CHIP	
R51	1-216-295-00	CONDUCTOR, CHIP	
R52	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R53	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R54	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R55	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R56	1-216-295-00	CONDUCTOR, CHIP	
R57	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R58	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R59	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R60	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R61	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R62	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R63	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R64	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R65	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R66	1-216-295-00	CONDUCTOR, CHIP	
R67	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R68	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R69	1-216-295-00	CONDUCTOR, CHIP	
R70	1-216-295-00	CONDUCTOR, CHIP	
R71	1-216-295-00	CONDUCTOR, CHIP	
R72	1-216-295-00	CONDUCTOR, CHIP	
R73	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R74	1-216-295-00	CONDUCTOR, CHIP	
R77	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R78	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R79	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R80	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R81	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R82	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R84	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R85	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R89	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R90	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R91	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R92	1-216-031-00	METAL GLAZE 180 5% 1/10W	
R93	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R94	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R96	1-216-103-00	METAL GLAZE 180K 5% 1/10W	
R97	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
R98	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R99	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R100	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R101	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R102	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R103	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R104	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R105	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R106	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R107	1-216-021-00	METAL GLAZE 68 5% 1/10W	
R108	1-216-021-00	METAL GLAZE 68 5% 1/10W	
R109	1-216-021-00	METAL GLAZE 68 5% 1/10W	
R110	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R111	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R112	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R113	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R114	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R115	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R116	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R117	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R118	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R119	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R120	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R121	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R122	1-216-001-00	METAL GLAZE 10 5% 1/10W	

Q A

REF.NO.	PART NO.	DESCRIPTION	REMARK
R123	1-216-001-00	METAL GLAZE 10 5% 1/10W	
		< CRYSTAL >	
X1	1-567-504-11	OSCILLATOR, CRYSTAL	
		**********	
	*A-1632-660-A	A BOARD, COMPLETE (KV-28FD1E/28FD1K) **********	
	*A-1632-699-A	A BOARD, COMPLETE (KV-32FD1E/32FD1K) **********	
	1-750-797-11	SOCKET, PLCC	
	4-202-373-01	SPRING, IC	
	4-382-854-11	SCREW (M3X10), P, SW (+)	
		< CAPACITOR >	
C101	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C103	1-126-933-11	ELECT 100MF 20% 16V	
C104	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C105	1-126-967-11	ELECT 47MF 20% 50V	
C106	1-163-253-11	CERAMIC CHIP 120PF 5% 50V	
C107	1-163-249-11	CERAMIC CHIP 82PF 5% 50V	
C109	1-163-249-11	CERAMIC CHIP 82PF 5% 50V	
C110	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C111	1-104-664-11	ELECT 47MF 20% 25V	
C113	1-126-967-11	ELECT 47MF 20% 50V	
C115	1-163-227-11	CERAMIC CHIP 10PF 0.5PF 50V	
C122	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C123	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C124	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C126	1-104-664-11	ELECT 47MF 20% 25V	
C127	1-126-923-11	ELECT 220MF 20% 10V	
C128	1-126-923-11	ELECT 220MF 20% 10V	
C135	1-164-182-11	CERAMIC CHIP 0.0033MF 10% 50V	
C136	1-163-253-11	CERAMIC CHIP 120PF 5% 50V	
C138	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C139	1-163-249-11	CERAMIC CHIP 82PF 5% 50V	
C140	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
C141	1-163-249-11	CERAMIC CHIP 82PF 5% 50V	
C142	1-163-227-11	CERAMIC CHIP 10PF 0.5PF 50V	
C143	1-164-346-11	CERAMIC CHIP 1MF 16V	
C145	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C146	1-104-664-11	ELECT 47MF 20% 25V	
C149	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C150	1-104-664-11	ELECT 47MF 20% 25V	
C152	1-164-346-11	CERAMIC CHIP 1MF 16V	
C153	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C154	1-164-161-11	CERAMIC CHIP 0.22MF 10% 25V	
C155	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C156	1-104-664-11	ELECT 47MF 20% 25V	
C158	1-107-823-11	CERAMIC CHIP 0.47MF 10% 16V	
C159	1-163-259-91	CERAMIC CHIP 220PF 5% 50V	
C160	1-126-961-11	ELECT 2.2MF 20% 50V	
C162	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C163	1-126-961-11	ELECT 2.2MF 20% 50V	
C166	1-104-664-11	ELECT 47MF 20% 25V	
C167	1-104-664-11	ELECT 47MF 20% 25V	
C201	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C203	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C204	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C205	1-104-664-11	ELECT 47MF 20% 25V	

REF.NO.	PART NO.	DESCRIPTION	REMARK
C206	1-163-231-11	CERAMIC CHIP 15PF 5% 50V	
C207	1-216-295-00	CONDUCTOR, CHIP	
C208	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C209	1-107-823-11	CERAMIC CHIP 0.47MF 10% 16V	
C210	1-107-823-11	CERAMIC CHIP 0.47MF 10% 16V	
C211	1-107-823-11	CERAMIC CHIP 0.47MF 10% 16V	
C212	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C213	1-126-963-11	ELECT 4.7MF 20% 50V	
C214	1-126-963-11	ELECT 4.7MF 20% 50V	
C215	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C216	1-126-933-11	ELECT 100MF 20% 16V	
C217	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C218	1-126-933-11	ELECT 100MF 20% 16V	
C219	1-126-964-11	ELECT 10MF 20% 50V	
C220	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C221	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C222	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C223	1-126-964-11	ELECT 10MF 20% 50V	
C224	1-163-243-11	CERAMIC CHIP 47PF 5% 50V	
C225	1-163-087-00	CERAMIC CHIP 4PF 0.25PF 50V	
C226	1-163-087-00	CERAMIC CHIP 4PF 0.25PF 50V	
C227	1-164-182-11	CERAMIC CHIP 0.0033MF 10% 50V	
C228	1-164-182-11	CERAMIC CHIP 0.0033MF 10% 50V	
C229	1-164-182-11	CERAMIC CHIP 0.0033MF 10% 50V	
C230	1-164-182-11	CERAMIC CHIP 0.0033MF 10% 50V	
C231	1-163-129-00	CERAMIC CHIP 330PF 5% 50V	
C232	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C233	1-126-933-11	ELECT 100MF 20% 16V	
C235	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C236	1-104-661-91	ELECT 330MF 20% 16V	
C240	1-126-961-11	ELECT 2.2MF 20% 50V	
C241	1-126-961-11	ELECT 2.2MF 20% 50V	
C243	1-104-664-11	ELECT 47MF 20% 25V	
C246	1-164-489-11	CERAMIC CHIP 0.22MF 10% 16V	
C247	1-104-664-11	ELECT 47MF 20% 25V	
C248	1-104-664-11	ELECT 47MF 20% 25V	
C249	1-164-489-11	CERAMIC CHIP 0.22MF 10% 16V	
C252	1-136-165-00	FILM 0.1MF 5% 50V	
C253	1-126-943-11	ELECT 2200MF 20% 25V	
C254	1-136-165-00	FILM 0.1MF 5% 50V	
C255	1-136-165-00	FILM 0.1MF 5% 50V	
C256	1-136-165-00	FILM 0.1MF 5% 50V	
C257	1-126-943-11	ELECT 2200MF 20% 25V	
C258	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
C259	1-163-009-11	CERAMIC CHIP 0.001MF 10% 50V	
C261	1-126-933-11	ELECT 100MF 20% 16V	
C262	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C263	1-107-823-11	CERAMIC CHIP 0.47MF 10% 16V	
C264	1-107-823-11	CERAMIC CHIP 0.47MF 10% 16V	
C265	1-107-823-11	CERAMIC CHIP 0.47MF 10% 16V	
C266	1-107-823-11	CERAMIC CHIP 0.47MF 10% 16V	
C267	1-126-964-11	ELECT 10MF 20% 50V	
C268	1-115-339-11	CERAMIC CHIP 0.1MF 10% 50V	
C271	1-126-964-11	ELECT 10MF 20% 50V	
C1101	1-104-664-11	ELECT 47MF 20% 25V	
C1102	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C1105	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C1106	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C1107	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C1108	1-126-967-11	ELECT 47MF 20% 50V	

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REF.NO.	PART NO.	DESCRIPTION			REMARK
C1109	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1111	1-104-664-11	ELECT	47MF	20%	25V
C1113	1-104-664-11	ELECT	47MF	20%	25V
C1114	1-104-664-11	ELECT	47MF	20%	25V
C1115	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1117	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1119	1-104-664-11	ELECT	47MF	20%	25V
C1120	1-126-933-11	ELECT	100MF	20%	16V
C1121	1-126-933-11	ELECT	100MF	20%	16V
C1122	1-126-933-11	ELECT	100MF	20%	16V
C1123	1-104-664-11	ELECT	47MF	20%	25V
C1125	1-104-664-11	ELECT	47MF	20%	25V
C1126	1-104-664-11	ELECT	47MF	20%	25V
C1127	1-104-664-11	ELECT	47MF	20%	25V
C1128	1-104-664-11	ELECT	47MF	20%	25V
C1129	1-126-964-11	ELECT	10MF	20%	50V
C1131	1-165-321-11	CERAMIC CHIP	0.68MF	10%	16V
C1132	1-104-664-11	ELECT	47MF	20%	25V
C1133	1-104-664-11	ELECT	47MF	20%	25V
C1134	1-164-157-11	CERAMIC CHIP	0.068MF	10%	25V
C1135	1-104-664-11	ELECT	47MF	20%	25V
C1137	1-126-960-11	ELECT	1MF	20%	50V
C1138	1-126-964-11	ELECT	10MF	20%	50V
C1141	1-126-964-11	ELECT	10MF	20%	50V
C1142	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1143	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1145	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1146	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1147	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1148	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1149	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1150	1-104-661-91	ELECT	330MF	20%	16V
C1152	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1153	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1154	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1155	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1156	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1157	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1158	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1159	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1160	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1161	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1163	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1164	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1165	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1168	1-104-664-11	ELECT	47MF	20%	25V
C1169	1-126-967-11	ELECT	47MF	20%	50V
C1170	1-126-963-91	ELECT	4.7MF	20%	50V
C1171	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1175	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1176	1-126-967-11	ELECT	47MF	20%	50V
C1177	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1178	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1179	1-104-664-11	ELECT	47MF	20%	25V
C1180	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C1181	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C1182	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1188	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1189	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1190	1-104-664-11	ELECT	47MF	20%	25V
C1191	1-104-664-11	ELECT	47MF	20%	25V
C1192	1-126-960-11	ELECT	1MF	20%	50V
C1193	1-126-963-11	ELECT	4.7MF	20%	50V
C1194	1-104-664-11	ELECT	47MF	20%	25V
C1195	1-126-964-11	ELECT	10MF	20%	50V
C1196	1-104-664-11	ELECT	47MF	20%	25V
C1197	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1198	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1199	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1200	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1201	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1202	1-104-664-11	ELECT	47MF	20%	25V
C1203	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1204	1-104-664-11	ELECT	47MF	20%	25V
C1205	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1207	1-110-489-11	CAPACITOR	1F		5.5V
C1208	1-164-161-11	CERAMIC CHIP	0.22MF	10%	25V
C1209	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C1210	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1211	1-136-165-00	FILM	0.1MF	5%	50V
C1212	1-126-964-11	ELECT	10MF	20%	50V
C1213	1-128-578-11	ELECT	1MF	20%	100V
C1215	1-104-664-11	ELECT	47MF	20%	25V
C1216	1-104-664-11	ELECT	47MF	20%	25V
C1217	1-137-423-11	MYLAR	0.15MF	10%	100V
C1301	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1303	1-104-664-91	ELECT	47MF	20%	25V
C1310	1-104-665-11	ELECT	100MF	20%	25V
C1314	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1319	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1320	1-126-960-11	ELECT	1MF	20%	50V
C1321	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1322	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1323	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1324	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1325	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1326	1-126-961-11	ELECT	2.2MF	20%	50V
C1327	1-126-961-11	ELECT	2.2MF	20%	50V
C1328	1-126-961-11	ELECT	2.2MF	20%	50V
C1329	1-126-961-11	ELECT	2.2MF	20%	50V
C1330	1-126-961-11	ELECT	2.2MF	20%	50V
C1331	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1332	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1333	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1334	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1335	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1336	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1337	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1338	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1339	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1340	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1341	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1342	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1343	1-104-665-11	ELECT	100MF	20%	25V
C1344	1-126-961-11	ELECT	2.2MF	20%	50V
C1345	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1346	1-126-961-11	ELECT	2.2MF	20%	50V
C1347	1-126-961-11	ELECT	2.2MF	20%	50V
C1348	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1349	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1350	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C1351	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V

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REF.NO.	PART NO.	DESCRIPTION		REMARK
C1352	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1353	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1354	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
C1355	1-126-964-11	ELECT 10MF	20%	50V
C1356	1-126-964-11	ELECT 10MF	20%	50V
C1357	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
C1359	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1360	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
C1362	1-126-964-11	ELECT 10MF	20%	50V
C1363	1-126-961-11	ELECT 2.2MF	20%	50V
C1364	1-126-961-11	ELECT 2.2MF	20%	50V
C1365	1-126-961-11	ELECT 2.2MF	20%	50V
C1366	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1367	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1369	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1370	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1381	1-126-964-11	ELECT 10MF	20%	50V
C1387	1-104-664-11	ELECT 47MF	20%	25V
C1388	1-104-664-11	ELECT 47MF	20%	25V
C1389	1-104-664-11	ELECT 47MF	20%	25V
C1393	1-104-665-11	ELECT 100MF	20%	25V
C1394	1-126-964-11	ELECT 10MF	20%	50V
C1395	1-126-964-11	ELECT 10MF	20%	50V
C1396	1-126-964-11	ELECT 10MF	20%	50V
C1397	1-126-964-11	ELECT 10MF	20%	50V
C1400	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1403	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
C1404	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
C1405	1-107-823-11	CERAMIC CHIP 0.47MF	10%	16V
C1406	1-104-664-91	ELECT 47MF	20%	25V
C1407	1-104-664-91	ELECT 47MF	20%	25V
C1408	1-107-714-11	ELECT 10MF	20%	16V
C1409	1-107-714-11	ELECT 10MF	20%	16V
C1410	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C1411	1-104-665-11	ELECT 100MF	20%	25V
C1412	1-104-665-11	ELECT 100MF	20%	25V
C1414	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1415	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1417	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1418	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1419	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1420	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1421	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1422	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1423	1-104-661-91	ELECT 330MF	20%	16V
C1424	1-126-961-11	ELECT 2.2MF	20%	50V
C1425	1-126-961-11	ELECT 2.2MF	20%	50V
C1426	1-126-961-11	ELECT 2.2MF	20%	50V
C1427	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1428	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1429	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1430	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1431	1-104-665-11	ELECT 100MF	20%	25V
C1435	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1436	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1437	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1438	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1439	1-104-665-11	ELECT 100MF	20%	25V
C1440	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C1441	1-104-665-11	ELECT 100MF	20%	25V
C2501	1-163-227-11	CERAMIC CHIP 10PF	0.5PF	50V
C2502	1-163-227-11	CERAMIC CHIP 10PF	0.5PF	50V
C2503	1-163-011-11	CERAMIC CHIP 0.0015MF	10%	50V
C2504	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2505	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2506	1-163-251-11	CERAMIC CHIP 100PF	5%	50V
C2509	1-126-964-11	ELECT 10MF	20%	50V
C2510	1-164-346-11	CERAMIC CHIP 1MF		16V
C2511	1-163-237-11	CERAMIC CHIP 27PF	5%	50V
C2512	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2513	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2514	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2515	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2516	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C2517	1-163-237-11	CERAMIC CHIP 27PF	5%	50V
		< FILTER >		
CD1105	1-527-992-31	OSCILLATOR, CERAMIC		
CF101	1-760-571-21	FILTER, CERAMIC		
CF102	1-760-415-21	FILTER, CERAMIC		
CF103	1-760-450-21	FILTER, CERAMIC		
CF201	1-760-665-21	TRAP, CERAMIC		
		< CONNECTOR >		
CN201	1-695-297-11	CONNECTOR, BOARD TO BOARD 20P		
CN202	1-695-297-11	CONNECTOR, BOARD TO BOARD 20P		
CN206	*1-568-881-51	PIN, CONNECTOR 6P		
CN1102	*1-568-880-51	PIN, CONNECTOR 5P		
CN1105	*1-568-879-11	PIN, CONNECTOR 4P		
CN1106	*1-568-878-51	PIN, CONNECTOR 3P		
CN1107	*1-568-882-51	PIN, CONNECTOR 7P		
CN1108	*1-568-880-51	PIN, CONNECTOR 5P		
CN1109	*1-568-880-51	PIN, CONNECTOR 5P		
CN1110	*1-568-882-51	PIN, CONNECTOR 7P		
CN1111	*1-568-878-51	PIN, CONNECTOR 3P		
CN1112	*1-568-881-51	PIN, CONNECTOR 6P		
CN1113	*1-568-882-51	PIN, CONNECTOR 7P		
CN1114	1-695-915-11	TAB (CONTACT)		
CN1301	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P		
CN1302	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P		
CN1303	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P		
CN1305	1-564-511-11	PLUG, CONNECTOR 8P		
CN1307	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P		
CN1308	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P		
CN1309	*1-568-881-51	PIN, CONNECTOR 6P		
CN1310	*1-568-881-51	PIN, CONNECTOR 6P		
CN1311	1-695-915-11	TAB (CONTACT)		
CN1312	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P		
CN1313	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P		
CN2501	*1-568-882-51	PIN, CONNECTOR 7P		
CN2502	*1-564-511-11	PLUG, CONNECTOR 8P		
CN2504	*1-568-878-51	PIN, CONNECTOR 3P		
		< BOOSTER >		
CP101	1-251-658-11	DISTRIBUTOR, RF		
		< TRIMMER >		
CT1101	1-141-245-00	CAP, CERAMIC TRIMMER 30PF		
		< DIODE >		
D101	8-719-982-27	DIODE MTZJ-33C		

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REF.NO.	PART NO.	DESCRIPTION	REMARK
D102	8-719-914-43	DIODE DAN202K	
D103	8-719-421-57	DIODE MA73-TX	
D104	8-719-421-57	DIODE MA73-TX	
D105	8-719-421-57	DIODE MA73-TX	
D201	8-719-991-33	DIODE 1SS133T-77	
D203	8-719-914-43	DIODE DAN202K	
D204	8-719-991-33	DIODE 1SS133T-77	
D205	8-719-914-43	DIODE DAN202K	
D206	8-719-914-42	DIODE DA204K	
D207	8-719-991-33	DIODE 1SS133T-77	
D208	8-719-991-33	DIODE 1SS133T-77	
D209	8-719-991-33	DIODE 1SS133T-77	
D210	8-719-991-33	DIODE 1SS133T-77	
D1105	8-719-404-46	DIODE MA110	
D1106	8-719-404-46	DIODE MA110	
D1107	8-719-404-46	DIODE MA110	
D1108	8-719-404-46	DIODE MA110	
D1109	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D1110	8-719-911-19	DIODE 1SS119-25	
D1115	8-719-914-44	DIODE DAP202K	
D1116	8-719-105-91	DIODE RD5.6M-B2	
D1117	8-719-914-43	DIODE DAN202K	
D1118	8-719-105-91	DIODE RD5.6M-B2	
D1119	8-719-914-43	DIODE DAN202K	
D1120	8-719-025-31	DIODE 02CZ5.6-TE85L	
D1121	8-719-025-31	DIODE 02CZ5.6-TE85L	
D1122	8-719-025-31	DIODE 02CZ5.6-TE85L	
D1123	8-719-025-31	DIODE 02CZ5.6-TE85L	
D1124	8-719-914-43	DIODE DAN202K	
D1125	8-719-914-44	DIODE DAP202K	
D1126	8-719-914-44	DIODE DAP202K	
D1127	8-719-105-91	DIODE RD5.6M-B2	
D1128	8-719-105-91	DIODE RD5.6M-B2	
D1129	8-719-105-91	DIODE RD5.6M-B2	
D1130	8-719-105-91	DIODE RD5.6M-B2	
D1131	8-719-914-44	DIODE DAP202K	
D1132	8-719-914-43	DIODE DAN202K	
D1133	8-719-914-44	DIODE DAP202K	
D1134	8-719-914-42	DIODE DA204K	
D1135	8-719-914-42	DIODE DA204K	
D1136	8-719-914-42	DIODE DA204K	
D1137	8-719-914-42	DIODE DA204K	
D1138	8-719-914-42	DIODE DA204K	
D1139	8-719-914-43	DIODE DAN202K	
D1140	1-535-143-61	LEAD JUMPER (5.0MM)	
D1141	8-719-048-55	DIODE MTZJ-T-77-10C	
D1142	8-719-109-88	DIODE RD5.6ES-B1	
D1310	8-719-025-29	DIODE 02CZ5.1-TE85L	
D1311	8-719-404-46	DIODE MA110	
D1312	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D1315	8-719-800-76	DIODE 1SS226	
D1316	8-719-800-76	DIODE 1SS226	
D1317	8-719-800-76	DIODE 1SS226	
D2501	8-719-914-43	DIODE DAN202K	
D2502	8-719-028-00	DIODE MA3033-L	
		< FERRITE BEAD >	
FB201	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB202	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< ENCAPSULATED FILTER >	
FL101	1-408-607-31	INDUCTOR 22UH	
FL102	1-408-409-00	INDUCTOR 10UH	
FL103	1-408-409-00	INDUCTOR 10UH	
FL201	1-233-764-21	FILTER	
FL202	1-236-071-11	ENCAPSULATED COMPONENT	
FL203	1-236-071-11	ENCAPSULATED COMPONENT	
FL204	1-236-071-11	ENCAPSULATED COMPONENT	
FL1105	1-236-071-11	ENCAPSULATED COMPONENT	
FL1106	1-236-071-11	ENCAPSULATED COMPONENT	
FL1107	1-236-071-11	ENCAPSULATED COMPONENT	
FL1108	1-236-071-11	ENCAPSULATED COMPONENT	
FL1301	1-239-400-11	FILTER, CHIP EMI	
FL1302	1-239-400-11	FILTER, CHIP EMI	
FL1303	1-239-400-11	FILTER, CHIP EMI	
FL1304	1-233-446-11	FILTER, LOW PASS	
FL1305	1-233-446-11	FILTER, LOW PASS	
FL1306	1-233-446-11	FILTER, LOW PASS	
		< IC >	
IC101	8-759-478-90	IC U2861B-MFP-G3	
IC103	8-759-514-57	IC BA7046F	
IC104	8-759-300-71	IC HD14053BFP	
IC201	8-759-478-94	IC MSP3410D-PS-B4-T	
IC202	8-759-190-89	IC TDA7265	
IC203	8-759-701-36	IC NJM3403AM	
IC204	8-759-342-60	IC PST575DMT-T1	
IC1101	8-752-072-94	IC CXA1875AM-T4	
IC1105	8-759-507-29	IC LM7808CT	
IC1106	8-759-420-90	IC AN78N09	
IC1108	8-759-231-53	IC TA7805S	
IC1109	8-759-231-53	IC TA7805S	
IC1110	8-759-231-53	IC TA7805S	
IC1111	8-759-259-18	IC MB3793-42PNF	
IC1112	8-759-426-56	IC MB814400C-70PJN-ER	
IC1113	8-759-438-62	IC SDA5275	
IC1114	8-759-008-67	IC MC14066BF	
IC1116	8-759-442-44	IC SDA30C164-2-GEG	
IC1119	8-759-480-01	IC M27C4001-15C1-GE101	
IC1121	8-759-390-51	IC UPC2409AHF	
IC1123	8-759-487-97	IC ST24E32FB6	
IC1126	8-759-990-63	IC PCF8574AT	
IC1131	8-759-990-63	IC PCF8574AT	
IC1132	8-759-990-63	IC PCF8574AT	
IC1133	8-759-822-38	IC LA6510	
IC1134	8-759-008-70	IC LM358N	
IC1135	8-759-325-48	IC CA0005AD	
IC1136	8-759-364-77	IC MBM29F040A-90PF	
IC1137	8-759-395-27	IC TC55257DFTL-70V	
IC1138	8-759-329-82	IC SN74ALS00ANS-E05	
IC1139	8-759-442-20	IC 24LC21A/SN	
IC1140	8-759-442-20	IC 24LC21A/SN	
IC1141	8-759-478-44	IC PCF8593/T3	
IC1142	8-759-034-47	IC MC74F00M-T2	
IC1301	8-759-300-71	IC HD14053BFP	
IC1311	8-759-300-71	IC HD14053BFP	
IC1316	8-759-300-71	IC HD14053BFP	
IC1317	8-759-300-71	IC HD14053BFP	
IC1318	8-752-082-92	IC CXA2101Q-TL	

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REF.NO.	PART NO.	DESCRIPTION	REMARK
IC1319	8-759-231-53	IC TA7805S	
IC1320	8-752-058-68	IC CXA1315M	
IC1321	8-752-053-21	IC CXA1211M	
IC1322	8-752-053-21	IC CXA1211M	
IC1323	8-759-098-24	IC PQ30RV11	
IC1324	8-759-300-71	IC HD14053BFP	
IC1325	8-759-031-84	IC SC7S04F	
IC1326	8-759-031-84	IC SC7S04F	
IC1327	8-759-058-62	IC TC7S08FU(TE85R)	
IC1328	8-759-058-62	IC TC7S08FU(TE85R)	
IC1329	8-759-058-62	IC TC7S08FU(TE85R)	
IC1330	8-759-058-62	IC TC7S08FU(TE85R)	
IC1331	8-759-300-71	IC HD14053BFP	
IC1332	8-759-485-79	IC TC7SET08FU(TE85L)	
IC1333	8-759-485-79	IC TC7SET08FU(TE85L)	
IC1334	8-759-485-79	IC TC7SET08FU(TE85L)	
IC2501	8-759-421-42	IC SDA9361	
		< COIL >	
L101	1-408-412-00	INDUCTOR 18UH	
L102	1-408-421-00	INDUCTOR 100UH	
L103	1-408-421-00	INDUCTOR 100UH	
L105	1-408-412-00	INDUCTOR 18UH	
L106	1-408-421-00	INDUCTOR 100UH	
L107	1-408-421-00	INDUCTOR 100UH	
L108	1-408-421-00	INDUCTOR 100UH	
L109	1-408-421-00	INDUCTOR 100UH	
L201	1-408-421-00	INDUCTOR 100UH	
L202	1-408-409-00	INDUCTOR 10UH	
L203	1-535-303-00	LEAD, JUMPER (5.0MM)	
L204	1-535-303-00	LEAD, JUMPER (5.0MM)	
L205	1-408-421-00	INDUCTOR 100UH	
L1101	1-408-421-00	INDUCTOR 100UH	
L1105	1-408-417-00	INDUCTOR 47UH	
L1106	1-408-417-00	INDUCTOR 47UH	
L1108	1-408-417-11	INDICATOR 47UH	
L1109	1-412-537-31	INDUCTOR 100UH	
L1301	1-408-421-00	INDUCTOR 100UH	
L1302	1-408-609-41	INDUCTOR 33UH	
L1303	1-408-609-41	INDUCTOR 33UH	
L1304	1-408-409-00	INDUCTOR 10UH	
L1305	1-412-545-11	INDUCTOR 470UH	
L1306	1-408-409-00	INDUCTOR 10UH	
L1307	1-408-412-00	INDUCTOR 18UH	
L1308	1-408-409-00	INDUCTOR 10UH	
L1309	1-408-421-00	INDUCTOR 100UH	
L1310	1-408-421-00	INDUCTOR 100UH	
L2501	1-216-295-00	CONDUCTOR, CHIP	
		< TRANSISTOR >	
Q101	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q102	1-801-806-11	TRANSISTOR DTC144EKA	
Q103	1-801-806-11	TRANSISTOR DTC144EKA	
Q104	8-729-039-67	TRANSISTOR BSS83	
Q105	8-729-216-22	TRANSISTOR 2SA1162-G	
Q108	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q109	8-729-216-22	TRANSISTOR 2SA1162-G	
Q110	1-801-806-11	TRANSISTOR DTC144EKA	
Q111	8-729-039-67	TRANSISTOR BSS83	
Q112	1-801-806-11	TRANSISTOR DTC144EKA	
Q113	8-729-216-22	TRANSISTOR 2SA1162-G	
Q114	8-729-216-22	TRANSISTOR 2SA1162-G	
Q115	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q116	1-801-806-11	TRANSISTOR DTC144EKA	
Q117	1-801-806-11	TRANSISTOR DTC144EKA	
Q118	1-801-806-11	TRANSISTOR DTC144EKA	
Q119	1-801-806-11	TRANSISTOR DTC144EKA	
Q120	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q121	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q122	1-801-806-11	TRANSISTOR DTC144EKA	
Q123	8-729-216-22	TRANSISTOR 2SA1162-G	
Q124	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q125	8-729-216-22	TRANSISTOR 2SA1162-G	
Q126	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q201	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q202	8-729-216-22	TRANSISTOR 2SA1162-G	
Q203	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q204	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q205	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q206	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q209	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q210	8-729-027-31	TRANSISTOR DTA124EKA-T146	
Q211	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q212	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q213	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q214	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q215	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1105	8-729-140-97	TRANSISTOR 2SB734-T-34	
Q1106	8-729-901-00	TRANSISTOR DTC124EK	
Q1107	8-729-200-17	TRANSISTOR 2SA1091-O	
Q1108	8-729-140-97	TRANSISTOR 2SB734-T-34	
Q1109	8-729-901-00	TRANSISTOR DTC124EK	
Q1110	8-729-901-00	TRANSISTOR DTC124EK	
Q1111	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1112	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1113	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1116	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1117	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1120	1-801-806-11	TRANSISTOR DTC144EKA	
Q1121	1-801-806-11	TRANSISTOR DTC144EKA	
Q1122	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1123	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1124	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1125	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1126	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1127	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1128	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1129	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1130	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1131	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1132	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1133	8-729-140-97	TRANSISTOR 2SB734-34	
Q1134	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1301	1-801-806-11	TRANSISTOR DTC144EKA	
Q1312	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1313	8-729-422-37	TRANSISTOR 2SB709A-R	
Q1315	1-801-806-11	TRANSISTOR DTC144EKA	
Q1316	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1317	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1318	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1320	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1321	8-729-216-22	TRANSISTOR 2SA1162-G	

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REF.NO.	PART NO.	DESCRIPTION	REMARK
Q1322	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1323	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1324	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1325	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1326	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1327	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1328	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1329	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1330	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1331	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1332	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1333	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1334	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1335	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1336	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1337	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1338	8-729-620-06	TRANSISTOR 2SC3052-EF	
		< RESISTOR >	
JR201	1-216-295-00	CONDUCTOR, CHIP	
JR1107	1-216-295-00	CONDUCTOR, CHIP	
JR1108	1-216-295-00	CONDUCTOR, CHIP	
R101	1-216-295-00	CONDUCTOR, CHIP	
R102	1-216-043-91	METAL GLAZE 560 5% 1/10W	
R103	1-216-043-91	METAL GLAZE 560 5% 1/10W	
R104	1-216-043-91	METAL GLAZE 560 5% 1/10W	
R105	1-215-917-11	METAL OXIDE 1K 5% 3W	F
R106	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R107	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R108	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R112	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R114	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R115	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R116	1-216-295-00	CONDUCTOR, CHIP	
R117	1-216-295-00	CONDUCTOR, CHIP	
R119	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R120	1-216-295-00	CONDUCTOR, CHIP	
R121	1-216-295-00	CONDUCTOR, CHIP	
R124	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R125	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R126	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R129	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R133	1-216-295-00	CONDUCTOR, CHIP	
R136	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R137	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R138	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R139	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R140	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R141	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R142	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R143	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R144	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R145	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R146	1-216-107-00	METAL GLAZE 270K 5% 1/10W	
R147	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R148	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R149	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R150	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R151	1-218-755-11	METAL CHIP 130K 0.50% 1/10W	
R152	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R153	1-216-113-00	METAL GLAZE 470K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R154	1-216-295-00	CONDUCTOR, CHIP	
R155	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R156	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R157	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R158	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R159	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R160	1-216-035-00	METAL GLAZE 270 5% 1/10W	
R161	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R162	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R163	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R164	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R165	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R166	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R167	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R168	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R169	1-216-295-00	CONDUCTOR, CHIP	
R170	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R171	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R173	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R174	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R175	1-216-689-11	METAL GLAZE 39K 5% 1/10W	
R176	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R177	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R178	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R179	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R180	1-216-295-00	CONDUCTOR, CHIP	
R181	1-216-295-00	CONDUCTOR, CHIP	
R182	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R183	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R184	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R185	1-216-295-00	CONDUCTOR, CHIP	
R186	1-216-295-00	CONDUCTOR, CHIP	
R187	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R188	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R201	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
R202	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R203	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R204	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R205	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R206	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R207	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R208	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R209	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R210	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R211	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R212	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R213	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R214	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R216	1-216-295-00	CONDUCTOR, CHIP	
R218	1-216-295-00	CONDUCTOR, CHIP	
R219	1-216-295-00	CONDUCTOR, CHIP	
R220	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R221	1-216-295-00	CONDUCTOR, CHIP	
R222	1-216-295-00	CONDUCTOR, CHIP	
R223	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R224	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R225	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R226	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R227	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R228	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R229	1-216-025-00	METAL GLAZE 100 5% 1/10W	

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REF.NO.	PART NO.	DESCRIPTION	REMARK
R230	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R231	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R232	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R233	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R235	1-216-295-00	CONDUCTOR, CHIP	
R238	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R239	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R240	1-216-295-00	CONDUCTOR, CHIP	
R241	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R243	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R244	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R245	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R246	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R248	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R250	1-216-295-00	CONDUCTOR, CHIP	
R251	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R252	1-216-295-00	CONDUCTOR, CHIP	
R255	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R256	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R257	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R258	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R259	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R260	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R261	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R262	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R263	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R264	1-216-357-00	METAL OXIDE 4.7 5% 1W F	
R265	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R266	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R267	1-216-357-00	METAL OXIDE 4.7 5% 1W F	
R268	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
R269	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R270	1-216-295-00	CONDUCTOR, CHIP	
R271	1-216-295-00	CONDUCTOR, CHIP	
R272	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R273	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R274	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R275	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R276	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R277	1-216-063-91	METAL GLAZE 3.9K 5% 1/10W	
R278	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R279	1-216-043-91	METAL GLAZE 560 5% 1/10W	
R280	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R281	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R282	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R283	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R284	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R285	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R286	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R287	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R288	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R289	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R290	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R291	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R292	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R293	1-216-073-71	METAL GLAZE 10K 5% 1/10W	
R294	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R295	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1101	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1102	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1103	1-216-073-00	METAL GLAZE 10K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1104	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1105	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R1106	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R1107	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1108	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1110	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1111	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R1112	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1113	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1115	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R1119	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1120	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1121	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1123	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1128	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R1129	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1130	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1131	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1133	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1136	1-216-121-91	METAL GLAZE 1M 5% 1/10W	
R1137	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1139	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1140	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1143	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1144	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1145	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1146	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1147	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1148	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1149	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1151	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1152	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1154	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1155	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1156	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1157	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1158	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1159	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1160	1-216-295-00	CONDUCTOR, CHIP	
R1162	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1164	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1165	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1166	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1167	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R1168	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1169	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1170	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1171	1-216-295-00	CONDUCTOR, CHIP	
R1172	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1173	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1174	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1175	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1176	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1177	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1178	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1179	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1180	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1181	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1182	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1183	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1184	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	

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REF.NO.	PART NO.	DESCRIPTION	REMARK
R1185	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1186	1-216-295-00	CONDUCTOR, CHIP	
R1187	1-216-295-00	CONDUCTOR, CHIP	
R1190	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1192	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1193	1-216-295-00	CONDUCTOR, CHIP	
R1194	1-216-295-00	CONDUCTOR, CHIP	
R1195	1-216-001-00	METAL GLAZE 10 5% 1/10W	
R1196	1-216-295-00	CONDUCTOR, CHIP	
R1201	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1202	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1204	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1205	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1206	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1207	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1208	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1209	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1210	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1211	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1212	1-216-029-00	METAL GLAZE 150 5% 1/10W	
R1215	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1216	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1220	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1221	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1222	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1223	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1226	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1227	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1237	1-216-295-00	CONDUCTOR, CHIP	
R1238	1-216-295-00	CONDUCTOR, CHIP	
R1239	1-216-295-00	CONDUCTOR, CHIP	
R1244	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R1245	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R1246	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R1247	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1248	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1249	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1250	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1251	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1252	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1253	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1254	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1255	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1256	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1257	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1258	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1259	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1260	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1261	1-218-758-91	METAL CHIP 180K 0.50% 1/10W	
R1262	1-216-699-11	METAL CHIP 100K 0.50% 1/10W	
R1263	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R1264	1-216-673-11	METAL CHIP 8.2K 0.50% 1/10W	
R1265	1-216-699-11	METAL CHIP 100K 0.50% 1/10W	
R1268	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1269	1-216-669-91	METAL GLAZE 5.6K 5% 1/10W	
R1270	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1271	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R1272	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R1273	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1274	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1275	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
R1276	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1277	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R1278	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R1301	1-216-295-00	CONDUCTOR, CHIP	
R1302	1-216-295-00	CONDUCTOR, CHIP	
R1303	1-216-295-00	CONDUCTOR, CHIP	
R1304	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1306	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1308	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1310	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1312	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1313	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1315	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1318	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1321	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1324	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R1327	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1328	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1329	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1330	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1331	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1332	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1333	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1334	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R1335	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1336	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1337	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1338	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1339	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1340	1-216-133-00	METAL GLAZE 3.3M 5% 1/10W	
R1341	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R1342	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1343	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1344	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1345	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R1346	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1347	1-216-295-00	CONDUCTOR, CHIP	
R1348	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R1349	1-216-101-00	METAL GLAZE 150K 5% 1/10W	
R1350	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1351	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1352	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1353	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1354	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1355	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1360	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R1361	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R1362	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R1363	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R1364	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R1365	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R1366	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
R1367	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R1368	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
R1369	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R1370	1-216-095-00	METAL GLAZE 82K 5% 1/10W	
R1371	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R1372	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1373	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1374	1-216-025-00	METAL GLAZE 100 5% 1/10W	

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REF.NO.	PART NO.	DESCRIPTION	REMARK
R1376	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1377	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1378	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1379	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1380	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1381	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1382	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R1383	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R1384	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R1392	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1393	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1394	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1395	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1396	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1397	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1398	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1399	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1400	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1401	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1402	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1403	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1404	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1405	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1406	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1407	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1408	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1409	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1410	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1411	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1412	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1413	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1414	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1415	1-216-295-00	CONDUCTOR, CHIP	
R1416	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1417	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1418	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1420	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
R1421	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R1422	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1428	1-216-295-00	CONDUCTOR, CHIP	
R1429	1-216-295-00	CONDUCTOR, CHIP	
R1430	1-216-295-00	CONDUCTOR, CHIP	
R1431	1-216-295-00	CONDUCTOR, CHIP	
R1432	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1433	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1434	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1435	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1436	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1437	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1438	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R1439	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R1440	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R1441	1-216-295-00	CONDUCTOR, CHIP	
R1442	1-216-295-00	CONDUCTOR, CHIP	
R1443	1-216-295-00	CONDUCTOR, CHIP	
R1444	1-216-655-11	METAL CHIP 1.5K 0.50% 1/10W	
R1445	1-216-655-11	METAL CHIP 1.5K 0.50% 1/10W	
R1446	1-216-655-11	METAL CHIP 1.5K 0.50% 1/10W	
R1447	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1448	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1449	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1450	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1451	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1452	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1453	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1454	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1455	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1456	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1460	1-216-641-11	METAL CHIP 390 0.50% 1/10W	
R1461	1-216-647-11	METAL CHIP 680 0.50% 1/10W	
R1462	1-216-295-00	CONDUCTOR, CHIP	
R1464	1-216-295-00	CONDUCTOR, CHIP	
R1465	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1466	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1467	1-216-017-91	METAL GLAZE 47 5% 1/10W	
R1468	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1469	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1470	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1471	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R1472	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R1473	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R2108	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R2109	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R2111	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R2112	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R2114	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R2115	1-216-057-71	METAL GLAZE 2.2K 5% 1/10W	
R2116	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R2117	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R2118	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R2119	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R2120	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R2121	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R2122	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R2123	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R2124	1-247-807-31	CARBON 100 5% 1/4W	
R2128	1-216-295-00	CONDUCTOR, CHIP	
R2131	1-216-295-00	CONDUCTOR, CHIP	
R2134	1-216-295-00	CONDUCTOR, CHIP	
R2135	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R2136	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R2137	1-216-295-00	CONDUCTOR, CHIP	
R2138	1-216-295-00	CONDUCTOR, CHIP	
R2139	1-216-295-00	CONDUCTOR, CHIP	
R2140	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R2141	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R2142	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R2145	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R2146	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R2147	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R2148	1-216-295-00	CONDUCTOR, CHIP	
R2149	1-216-295-00	CONDUCTOR, CHIP	
R2150	1-216-295-00	CONDUCTOR, CHIP	
R2153	1-216-295-71	CONDUCTOR, CHIP	
R2158	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R2159	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R2160	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R2161	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R2162	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R2163	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
R2501	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R2502	1-216-049-00	METAL GLAZE 1K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION			REMARK
R2503	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R2504	1-216-049-00	METAL GLAZE	1K	5% 1/10W	
R2505	1-216-063-91	METAL GLAZE	3.9K	5% 1/10W	
R2506	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2507	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2508	1-216-055-00	METAL GLAZE	1.8K	5% 1/10W	
R2509	1-216-063-91	METAL GLAZE	3.9K	5% 1/10W	
R2511	1-216-085-00	METAL GLAZE	33K	5% 1/10W	
R2512	1-216-695-11	METAL CHIP	68K	0.50% 1/10W	
R2513	1-216-097-91	METAL GLAZE	100K	5% 1/10W	
R2515	1-216-049-00	METAL GLAZE	1K	5% 1/10W	
R2516	1-216-073-00	METAL GLAZE	10K	5% 1/10W	
R2517	1-216-049-00	METAL GLAZE	1K	5% 1/10W	
R2518	1-216-049-00	METAL GLAZE	1K	5% 1/10W	
R2519	1-216-049-00	METAL GLAZE	1K	5% 1/10W	
R2520	1-216-683-11	METAL CHIP	22K	0.50% 1/10W	
		< TUNER >			
TU101	1-693-340-21	TUNER/VIF (AEP)			
TU102	1-693-340-21	TUNER/VIF (AEP)			
		< CRYSTAL >			
X201	1-760-628-11	VIBRATOR, CRYSTAL			
X1105	1-760-551-21	VIBRATOR, CERAMIC			
X1107	1-527-997-21	VIBRATOR, CRYSTAL			
X2501	1-567-970-31	VIBRATOR, CRYSTAL			
**********					
	*A-1632-661-A	A1 BOARD, COMPLETE **********			
		< CAPACITOR >			
C2201	1-126-933-11	ELECT	100MF	20% 16V	
C2202	1-164-004-11	CERAMIC CHIP	0.1MF	10% 25V	
C2204	1-126-933-11	ELECT	100MF	20% 16V	
C2205	1-164-004-11	CERAMIC CHIP	0.1MF	10% 25V	
C2206	1-163-231-11	CERAMIC CHIP	15PF	5% 50V	
C2207	1-163-231-11	CERAMIC CHIP	15PF	5% 50V	
C2208	1-126-933-11	ELECT	100MF	20% 16V	
C2209	1-164-004-11	CERAMIC CHIP	0.1MF	10% 25V	
		< CONNECTOR >			
CN2201	1-695-300-11	CONNECTOR, BOARD TO BOARD 20P			
		< FERRITE BEAD >			
FB2201	1-414-553-11	INDUCTOR	0UH		
		< ENCAPSULATED FILTER >			
FL2201	1-408-409-00	INDUCTOR	10UH		
FL2202	1-408-409-00	INDUCTOR	10UH		
FL2203	1-236-071-11	ENCAPSULATED COMPONENT			
FL2204	1-236-071-11	ENCAPSULATED COMPONENT			
		< IC >			
IC2201	8-759-426-56	IC MB814400C-70PJN-ER			
IC2202	8-759-269-92	IC SN74HCU04ANS-E20			
IC2203	8-759-478-45	IC TMS57053			
		< RESISTOR >			
R2203	1-216-121-91	METAL GLAZE	1M	5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION			REMARK
R2204	1-216-029-00	METAL GLAZE	150	5% 1/10W	
R2205	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2206	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2207	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2208	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2209	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2210	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2211	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2212	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2213	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2214	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2215	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2216	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2217	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2218	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2219	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2220	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2222	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2225	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2227	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2228	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2229	1-414-553-11	INDUCTOR	0UH		
R2232	1-414-553-11	INDUCTOR	0UH		
R2233	1-414-553-11	INDUCTOR	0UH		
R2235	1-414-553-11	INDUCTOR	0UH		
R2236	1-414-553-11	INDUCTOR	0UH		
R2237	1-414-553-11	INDUCTOR	0UH		
R2238	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2239	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2240	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2241	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2242	1-216-025-00	METAL GLAZE	100	5% 1/10W	
R2243	1-216-025-00	METAL GLAZE	100	5% 1/10W	
		< CRYSTAL >			
X2201	1-567-970-11	VIBRATOR, CRYSTAL			
**********					
	*A-1638-110-A	C BOARD, COMPLETE **********			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
		< CAPACITOR >			
C701	1-107-967-11	ELECT	1MF	20% 400V	
C702	1-107-967-11	ELECT	1MF	20% 400V	
C703	1-107-967-11	ELECT	1MF	20% 400V	
C704	1-102-129-00	CERAMIC	0.01MF	10% 50V	
C705	1-128-528-11	ELECT	470MF	20% 16V	
C706	1-128-528-11	ELECT	470MF	20% 16V	
C707	1-128-528-11	ELECT	470MF	20% 16V	
C708	1-102-157-00	CERAMIC	560PF	10% 500V	
C709	1-102-157-00	CERAMIC	560PF	10% 500V	
C710	1-102-157-00	CERAMIC	560PF	10% 500V	
C711	1-107-907-11	ELECT	22MF	20% 50V	
C712	1-162-116-00	CERAMIC	680PF	10% 2KV	
C713	1-162-115-00	CERAMIC	330PF	10% 2KV	
C714	1-162-116-00	CERAMIC	680PF	10% 2KV	
C715	1-102-129-00	CERAMIC	0.01MF	10% 50V	
C716	1-102-129-00	CERAMIC	0.01MF	10% 50V	
C717	1-107-902-11	ELECT	1MF	20% 50V	

C D1

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION	REMARK
C718	1-107-652-11	ELECT 10MF 20% 250V	
C719	1-162-116-00	CERAMIC 680PF 10% 2KV	
C727	1-136-207-11	FILM 0.047MF 10% 400V	
C728	1-136-207-11	FILM 0.047MF 10% 400V	
C729	1-136-207-11	FILM 0.047MF 10% 400V	
C730	1-102-947-00	CERAMIC 10PF 0.5PF 50V	
C731	1-102-942-00	CERAMIC 5PF 0.5PF 50V	
		< CONNECTOR >	
CN701	1-564-511-11	PLUG, CONNECTOR 8P	
CN703	1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P	
CN704	1-695-915-11	TAB (CONTACT)	
		< DIODE >	
D701	8-719-991-33	DIODE 1SS133T-77	
D702	8-719-901-83	DIODE 1SS83	
D703	8-719-901-83	DIODE 1SS83	
D704	8-719-901-83	DIODE 1SS83	
D705	8-719-991-33	DIODE 1SS133T-77	
D706	8-719-908-03	DIODE GP08D	
D707	8-719-991-33	DIODE 1SS133T-77	
D708	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D709	8-719-921-88	DIODE MTZJ-13B	
D711	8-719-911-19	DIODE 1SS119-25	
D712	8-719-911-19	DIODE 1SS119-25	
D714	8-719-982-96	DIODE MTZJ-T-77-2.2A	
D715	8-719-911-19	DIODE 1SS119-25	
D716	8-719-982-96	DIODE MTZJ-T-77-2.2A	
D721	8-719-031-34	DIODE RGP02-20EG23	
		< IC >	
IC701	8-759-360-83	IC TDA6111Q/N4	
IC702	8-759-360-83	IC TDA6111Q/N4	
IC703	8-759-360-83	IC TDA6111Q/N4	
		< SOCKET >	
J701 ⚠	1-540-071-22	SOCKET, CRT	
		< COIL >	
L701	1-410-671-31	INDUCTOR 47UH	
L702	1-408-405-00	INDUCTOR 4.7UH	
L703	1-408-405-00	INDUCTOR 4.7UH	
L704	1-408-405-00	INDUCTOR 4.7UH	
L705	1-408-409-00	INDUCTOR 10UH	
L706	1-535-303-00	LEAD, JUMPER (5.0MM)	
		< TRANSISTOR >	
Q701	8-729-255-12	TRANSISTOR 2SC2551-O	
Q702	8-729-255-12	TRANSISTOR 2SC2551-O	
Q703	8-729-255-12	TRANSISTOR 2SC2551-O	
Q704	8-729-026-41	TRANSISTOR 2SA933AS-QRT	
Q705	8-729-029-56	TRANSISTOR DTA144ESA	
Q706	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		< RESISTOR >	
R701	1-249-420-11	CARBON 1.8K 5% 1/4W	
R702	1-249-425-11	CARBON 4.7K 5% 1/4W	
R703	1-249-435-11	CARBON 33K 5% 1/4W	
R704	1-249-429-11	CARBON 10K 5% 1/4W	
R705	1-249-430-11	CARBON 12K 5% 1/4W	
R706	1-247-863-91	CARBON 22K 5% 1/4W	
R707	1-247-863-91	CARBON 22K 5% 1/4W	
R708	1-247-863-91	CARBON 22K 5% 1/4W	
R709	1-249-415-11	CARBON 680 5% 1/4W	
R710	1-249-415-11	CARBON 680 5% 1/4W	
R711	1-249-415-11	CARBON 680 5% 1/4W	
R712	1-249-421-11	CARBON 2.2K 5% 1/4W	
R713	1-249-418-11	CARBON 1.2K 5% 1/4W	
R714	1-249-417-11	CARBON 1K 5% 1/4W	
R715	1-249-417-11	CARBON 1K 5% 1/4W	
R716	1-249-417-11	CARBON 1K 5% 1/4W	
R717	1-249-417-11	CARBON 1K 5% 1/4W	
R718	1-249-417-11	CARBON 1K 5% 1/4W	
R719	1-249-417-11	CARBON 1K 5% 1/4W	
R720	1-215-926-00	METAL OXIDE 33K 5% 3W	F
R721	1-215-926-00	METAL OXIDE 33K 5% 3W	F
R722	1-215-926-00	METAL OXIDE 33K 5% 3W	F
R723	1-249-408-11	CARBON 180 5% 1/4W	
R724	1-249-408-11	CARBON 180 5% 1/4W	
R725	1-249-408-11	CARBON 180 5% 1/4W	
R726	1-202-565-00	SOLID 470 20% 1/2W	
R727	1-202-565-00	SOLID 470 20% 1/2W	
R728	1-202-565-00	SOLID 470 20% 1/2W	
R729	1-249-424-11	CARBON 3.9K 5% 1/4W	
R730	1-249-424-11	CARBON 3.9K 5% 1/4W	
R731	1-249-424-11	CARBON 3.9K 5% 1/4W	
R732	1-202-549-00	SOLID 100 20% 1/2W	
R733	1-247-863-91	CARBON 22K 5% 1/4W	
R734	1-202-549-00	SOLID 100 20% 1/2W	
R735	1-249-416-11	CARBON 820 5% 1/4W	
R736	1-202-884-11	SOLID 820K 20% 1/2W	
R737	1-202-884-11	SOLID 820K 20% 1/2W	
R738	1-216-397-11	METAL OXIDE 4.7 5% 3W	F
R739	1-216-397-11	METAL OXIDE 4.7 5% 3W	F
R740	1-249-429-11	CARBON 10K 5% 1/4W	
R741	1-249-438-11	CARBON 56K 5% 1/4W	
R742	1-249-417-11	CARBON 1K 5% 1/4W	F
R747	1-215-911-11	METAL OXIDE 100 5% 3W	F
		< VARIABLE RESISTOR >	
RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M	
RV702	1-241-656-21	RES, ADJ, METAL FILM 110M	
**********			
	*A-1640-280-A	D1 BOARD, COMPLETE (KV-28FD1E/28FD1K) **********	
	*A-1640-277-A	D1 BOARD, COMPLETE (KV-32FD1E/32FD1K) **********	
	4-382-854-11	SCREW (M3X10), P, SW (+)	
		< CAPACITOR >	
C1501	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C1502	1-126-967-11	ELECT 47MF 20% 16V	
C1503	1-136-177-00	FILM 1MF 5% 50V	
C1504	1-126-964-11	ELECT 10MF 20% 50V	
C1505	1-126-967-11	ELECT 47MF 20% 50V	
C1506	1-126-967-11	ELECT 47MF 20% 50V	
C1507	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C1508	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C1509	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C1510	1-136-177-00	FILM 1MF 5% 50V	

REF.NO.	PART NO.	DESCRIPTION	REMARK
C1511	1-104-329-11	CERAMIC CHIP 0.1MF 10% 50V	
C1512	1-126-967-11	ELECT 47MF 20% 50V	
C1513	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C1514	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C1515	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C1516	1-164-182-11	CERAMIC CHIP 0.0033MF 10% 50V	
C1518	1-130-471-00	FILM 0.001MF 2% 50V	
C1520	1-126-967-11	ELECT 47MF 20% 50V	
C1521	1-163-037-91	CERAMIC CHIP 22000PF 10% 25V	
C1522	1-104-329-11	CERAMIC CHIP 0.1MF 10% 50V	
C1524	1-137-503-11	FILM 100PF 5% 100V	
C1525	1-129-716-91	FILM 0.015MF 10% 630V	(KV-28FD1E/28FD1K)
	1-137-493-11	FILM 0.0047MF 5% 630V	(KV-32FD1E/32FD1K)
C1526	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C1528	1-163-809-11	CERAMIC CHIP 0.047MF 10% 25V	
C1529	1-102-110-00	CERAMIC 220PF 10% 50V	
C1531	1-126-964-11	ELECT 10MF 20% 50V	
C1532	1-126-964-11	ELECT 10MF 20% 50V	
C1533	1-126-963-11	ELECT 4.7MF 20% 50V	
C1534	1-126-964-11	ELECT 10MF 20% 50V	
C1535	1-126-960-11	ELECT 1MF 20% 50V	
C1537	1-164-695-11	CERAMIC CHIP 0.0022MF 5% 50V	
C1538	1-126-967-11	ELECT 47MF 20% 50V	
C1542	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V	
C1543	1-163-809-91	CERAMIC CHIP 47000PF 10% 25V	
C1550	1-136-207-11	FILM 0.047MF 10% 250V	
C1551	1-115-516-21	FILM 0.33MF 5% 200V	(KV-28FD1E/28FD1K)
	1-117-451-21	FILM 0.43MF 5% 200V	(KV-32FD1E/32FD1K)
C1552	1-107-505-11	FILM 0.39MF 5% 400V	
C1553	1-136-177-00	FILM 1MF 5% 50V	
C1554	1-136-177-00	FILM 1MF 5% 50V	
C1555	1-126-964-11	ELECT 10MF 20% 50V	
C1556	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C1557	1-130-471-00	FILM 0.001MF 2% 50V	
C1558	1-102-030-00	CERAMIC 330PF 10% 500V	
C1560	1-162-117-00	CERAMIC 100PF 10% 500V	
C1562	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C1563	1-130-471-00	FILM 0.001MF 2% 50V	
C1564	1-126-960-11	ELECT 1MF 20% 50V	
C1565	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C1566	1-126-964-11	ELECT 10MF 20% 50V	
C1567	1-126-960-11	ELECT 1MF 20% 50V	
C1568	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C1569	1-107-714-11	ELECT 10MF 20% 50V	
C1570	1-115-339-11	CERAMIC CHIP 0.1MF 10% 50V	
C1571	1-136-159-00	FILM 0.033MF 5% 50V	
C1572	1-130-834-00	MYLAR 1MF 20% 63V	
C1573	1-136-153-00	FILM 0.01MF 5% 50V	
C1574	1-104-665-11	ELECT 100MF 20% 25V	
C1576	1-129-718-91	FILM 0.022MF 10% 630V	(KV-28FD1E/28FD1K)
	1-137-499-11	FILM 0.015MF 5% 630V	(KV-32FD1E/32FD1K)
C1577	1-137-493-11	FILM 0.0047MF 5% 630V	(KV-32FD1E/32FD1K)
C1578	1-104-329-11	CERAMIC CHIP 0.1MF 10% 50V	
C1587	1-164-346-11	CERAMIC CHIP 1MF 16V	
C1589	1-126-959-11	ELECT 0.47MF 20% 50V	
C1590	1-126-933-11	ELECT 100MF 20% 16V	
C1591	1-136-165-00	FILM 0.1MF 5% 50V	
C1595	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C1596	1-126-964-11	ELECT 10MF 20% 50V	
C1598	1-126-967-11	ELECT 47MF 20% 16V	
C1599	1-126-967-11	ELECT 47MF 20% 16V	

< CONNECTOR >

CN1501	1-695-300-11	CONNECTOR, BOARD TO BOARD 20P	
CN1503	*1-564-511-61	PLUG, CONNECTOR 8P	
CN1504	1-695-300-11	CONNECTOR, BOARD TO BOARD 20P	
CN1505	*1-564-520-11	PLUG, CONNECTOR 5P	

< DIODE >

D1502	8-719-914-43	DIODE DAN202K	
D1503	8-719-914-43	DIODE DAN202K	
D1504	8-719-914-43	DIODE DAN202K	
D1506	8-719-914-43	DIODE DAN202K	
D1509	8-719-400-36	DIODE MA3047-M	
D1510	8-719-914-43	DIODE DAN202K	
D1511	8-719-979-85	DIODE EGP20G	
D1512	8-719-914-43	DIODE DAN202K	
D1513	8-719-981-94	DIODE MTZJ-2.7A	
D1514	8-719-914-43	DIODE DAN202K	
D1515	8-719-914-43	DIODE DAN202K	
D1516	8-719-914-43	DIODE DAN202K	
D1524	8-719-302-43	DIODE EL1Z	
D1525	8-719-106-53	DIODE MA3100-M	
D1526	8-719-401-22	DIODE MA3220-M	
D1527	8-719-106-71	DIODE RD12M-B2	
D1528	8-719-401-22	DIODE MA3220-M	
D1529	8-719-947-06	DIODE RGP10JPKG23	
D1530	8-719-971-20	DIODE ERC38-06	
D1531	8-719-914-42	DIODE DA204K	
D1532	8-719-914-43	DIODE DAN202K	
D1534	8-719-914-43	DIODE DAN202K	
D1535	8-719-987-87	DIODE ERA85-009	
D1543	8-719-914-42	DIODE DA204K	
D1544	8-719-105-91	DIODE RD5.6M-B2	
D1545	8-719-914-43	DIODE DAN202K-T-146	
D1546	8-719-914-43	DIODE DAN202K-T-146	
D1547	8-719-914-43	DIODE DAN202K-T-146	
D1548	1-216-295-91	CONDUCTOR CHIP	

< FERRITE BEAD >

FB1501	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
FB1502	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH

< IC >

IC1501	8-759-325-48	IC CA0005AD
IC1502	8-759-983-69	IC LM358PS
IC1503	8-759-988-13	IC LM393PS
IC1504	8-759-988-13	IC LM393PS
IC1505	8-759-988-13	IC LM393PS
IC1506	8-759-822-38	IC LA6510
IC1507	8-759-251-31	IC CA0007AM
IC1508	8-759-988-13	IC LM393PS
IC1509	8-749-010-64	PHOTO COUPLER PC123F2
IC1510	8-759-185-47	IC IR2112
IC1511	8-752-072-94	IC CXA1875AM-T4
IC1513	8-759-604-39	IC M5F78M12L

D1

The components identified by shading and marked ⚠ are critical for safety.
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Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
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REF.NO.	PART NO.	DESCRIPTION	REMARK
IC1515	8-759-983-69	IC LM358PS	
IC1517	8-759-325-48	IC CA0005AD	
IC1518	8-759-100-96	IC UPC4558G2	
		< COIL >	
L1501	1-406-987-21	COIL, CHOKE 4.7MMH	(KV-28FD1E/28FD1K)
	1-406-989-21	COIL, CHOKE 10MMH	(KV-32FD1E/32FD1K)
L1504	1-411-557-11	COIL, CHOKE	
L1506	1-535-303-00	LEAD, JUMPER (5.0MM)	
L1507	1-406-677-11	COIL, CHOKE 10MMH	
L1508	1-412-537-31	INDUCTOR 100UH	
L1514	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
		< IC LINK >	
PS1501 ⚠	1-532-637-00	LINK, IC 1.0A (ICP-N25)	
		< TRANSISTOR >	
Q1501	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1502	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1503	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1504	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1505	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1506	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1507	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1508	8-729-026-79	TRANSISTOR IRFI620G	
Q1509	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1510	8-729-034-09	TRANSISTOR 2SK2518-01MR	
Q1511	8-729-034-09	TRANSISTOR 2SK2518-01MR	
Q1512	1-801-806-11	TRANSISTOR DTC144EKA	
Q1513	8-729-026-79	TRANSISTOR IRFI620G	
Q1514	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1515	8-729-140-97	TRANSISTOR 2SB734-34	
Q1516	8-729-140-97	TRANSISTOR 2SB734-34	
Q1522	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1523	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1524	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1525	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1526	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1527	8-729-017-06	TRANSISTOR 2SC4793	
Q1528	8-729-017-05	TRANSISTOR 2SA1837	
Q1529	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q1530	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1531	8-729-216-22	TRANSISTOR 2SA1162-G	
		< RESISTOR >	
R1500	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1501	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R1502	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1504	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1505	1-216-695-11	METAL CHIP 68K 0.50% 1/10W	
R1506	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R1507	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1508	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1509	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1510	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1511	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1512	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1513	1-216-691-91	METAL CHIP 47K 0.05% 1/10W	(KV-28FD1E/28FD1K)
	1-216-687-91	METAL CHIP 33K 0.50% 1/10W	(KV-32FD1E/32FD1K)
R1514	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R1515	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1516	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1517	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1518	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R1519	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1520	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R1522	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1523	1-216-677-11	METAL CHIP 12K 0.50% 1/10W	
R1524	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R1525	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1526	1-216-295-00	CONDUCTOR, CHIP	
R1527	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R1528	1-216-681-11	METAL CHIP 18K 0.50% 1/10W	
R1529	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R1530	1-249-417-11	CARBON 1K 5% 1/4W	
R1531	1-218-754-11	METAL CHIP 120K 0.50% 1/10W	
R1532	1-216-670-11	METAL CHIP 6.2K 0.50% 1/10W	
R1533	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R1534	1-216-699-91	METAL CHIP 100K 0.50% 1/10W	
R1535	1-216-677-11	METAL CHIP 12K 0.50% 1/10W	
R1536	1-218-759-91	METAL CHIP 200K 0.50% 1/10W	(KV-28FD1E/28FD1K)
	1-218-760-91	METAL CHIP 220K 0.5% 1/10W	(KV-32FD1E/32FD1K)
R1537	1-216-681-91	METAL CHIP 18K 0.50% 1/10W	(KV-28FD1E/28FD1K)
	1-216-687-91	METAL CHIP 33K 0.50% 1/10W	(KV-32FD1E/32FD1K)
R1538	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1539	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1540	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1543	1-249-415-11	CARBON 680 5% 1/4W	
R1545	1-216-043-91	METAL GLAZE 560 5% 1/10W	
R1547	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R1548	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R1549	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1550	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1551	1-216-676-11	METAL CHIP 11K 0.50% 1/10W	
R1552	1-216-674-11	METAL CHIP 9.1K 0.50% 1/10W	
R1553	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R1554	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R1555	1-216-295-00	CONDUCTOR, CHIP	
R1556	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1559	1-216-099-00	METAL GLAZE 120K 5% 1/10W	
R1560	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1561	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1562	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1563	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1564	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1565	1-216-689-11	METAL CHIP 39K 0.50% 1/10W	
R1566	1-216-679-11	METAL CHIP 15K 0.50% 1/10W	
R1567	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1568	1-216-677-11	METAL CHIP 12K 0.50% 1/10W	
R1569	1-216-677-11	METAL CHIP 12K 0.50% 1/10W	
R1570	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R1571	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R1572	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1573	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1574	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R1575	1-216-089-00	METAL GLAZE 47K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R1576	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R1577	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R1578	1-216-295-00	CONDUCTOR, CHIP	
R1579	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R1580	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1581	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1583	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1584	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1587	1-216-079-00	METAL GLAZE 18K 5% 1/10W	
R1588	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1589	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1590	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1593	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1595	1-216-295-00	CONDUCTOR, CHIP	
R1597	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1598	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1599	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1600	1-249-441-11	CARBON 100K 5% 1/4W	
R1601	1-249-441-11	CARBON 100K 5% 1/4W	
R1602	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1603	1-249-441-11	CARBON 100K 5% 1/4W F	
R1604	1-260-323-71	CARBON 390 5% 1/2W	
R1605	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1606	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R1607	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1608	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1609	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1610	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R1611	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1612	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1613	1-249-385-11	CARBON 2.2 5% 1/4W F	
R1614	1-216-396-51	METAL OXIDE 3.9 5% 3W F	
R1615	1-216-396-51	METAL OXIDE 3.9 5% 3W F	
R1616	1-216-295-00	CONDUCTOR, CHIP	
R1617	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1618	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1619	1-216-695-11	METAL CHIP 68K 0.50% 1/10W	
R1620	1-216-695-11	METAL CHIP 68K 0.50% 1/10W	
R1621	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R1622	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R1623	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R1624	1-216-295-00	CONDUCTOR, CHIP	
R1627	1-216-681-11	METAL CHIP 18K 0.50% 1/10W	
R1628	1-218-762-11	METAL CHIP 270K 0.50% 1/10W	
R1629	1-218-774-11	METAL CHIP 820K 0.50% 1/10W	
R1630	1-216-673-91	METAL CHIP 8.2K 0.50% 1/10W	(KV-28FD1E/28FD1K)
	1-216-671-91	METAL CHIP 6.8K 0.05% 1/10W	(KV-32FD1E/32FD1K)
R1631	1-216-675-91	METAL CHIP 10K 0.50% 1/10W	
R1632	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	(KV-28FD1E/28FD1K)
	1-216-677-91	METAL CHIP 12K 0.05% 1/10W	(KV-32FD1E/32FD1K)
R1633	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R1635	1-216-047-91	METAL GLAZE 820 5% 1/10W	
R1636	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1637	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R1639	1-215-911-51	METAL OXIDE 100 5% 3W	(KV-28FD1E/28FD1K)
	1-216-474-51	METAL OXIDE 82 5% 3W F	(KV-32FD1E/32FD1K)
R1640	1-216-675-11	METAL CHIP 10K 0.50% 1/10W	
R1641	1-216-675-91	METAL CHIP 10K 0.50% 1/10W	
R1642	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1643	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R1646	1-218-762-11	METAL CHIP 270K 0.50% 1/10W	
R1649	1-216-696-11	METAL CHIP 75K 0.50% 1/10W	
R1650	1-216-696-11	METAL CHIP 75K 0.50% 1/10W	
R1651	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1653	1-216-699-11	METAL CHIP 100K 0.50% 1/10W	
R1654	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1655	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R1656	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R1657	1-215-880-00	METAL OXIDE 10 5% 2W F	
R1658	1-249-385-11	CARBON 2.2 5% 1/4W F	
R1659	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R1660	1-216-295-00	CONDUCTOR, CHIP	
R1661	1-216-295-00	CONDUCTOR, CHIP	
R1662	1-216-295-00	CONDUCTOR, CHIP	
R1663	1-215-921-51	METAL OXIDE 4.7K 5% 3W	(KV-28FD1E/28FD1K)
	1-215-920-11	METAL OXIDE 3.3K 5% 3W F	(KV-32FD1E/32FD1K)
R1664	1-215-921-51	METAL OXIDE 4.7K 5% 3W	(KV-28FD1E/28FD1K)
	1-215-920-11	METAL OXIDE 3.3K 5% 3W F	(KV-32FD1E/32FD1K)
R1665	1-215-921-51	METAL OXIDE 4.7K 5% 3W	(KV-28FD1E/28FD1K)
	1-215-920-11	METAL OXIDE 3.3K 5% 3W F	(KV-32FD1E/32FD1K)
R1666	1-216-699-91	METAL CHIP 100K 0.50% 1/10W	(KV-28FD1E/28FD1K)
R1666	1-218-762-91	METAL CHIP 270K 0.50% 1/10W	(KV-32FD1E/32FD1K)
R1667	1-216-101-00	METAL GLAZE 150K 5% 1/10W	
R1692	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1695	1-216-101-00	METAL GLAZE 150K 5% 1/10W	
R1696	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R1697	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R1698	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R1699	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R1700	1-216-091-00	METAL GLAZE 56K 5% 1/10W	

< VARIABLE RESISTOR >

RV1503	1-238-551-11	RES, ADJ, CARBON 220K

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*A-1640-279-A	D BOARD, COMPLETE **********	(KV-28FD1E/28FD1K)
*A-1640-278-A	D BOARD, COMPLETE **********	(KV-32FD1E/32FD1K)
4-200-399-01	SPACER, IC	
4-201-023-01	SPACER, INSULATING	
4-202-373-01	SPRING, IC	
4-382-854-11	SCREW (M3X10), P, SW (+)	

< CAPACITOR >

C501	1-123-024-21	ELECT 33MF		160V
C502	1-136-207-11	FILM 0.047MF	10%	250V
C503	1-128-527-11	ELECT 330MF	20%	25V
C504	1-128-527-11	ELECT 330MF	20%	25V

D

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REF.NO.		PART NO.	DESCRIPTION			REMARK
C505		1-102-212-00	CERAMIC	820PF	10%	500V
C508		1-162-116-00	CERAMIC	680PF	10%	2KV
C509		1-162-116-00	CERAMIC	680PF	10%	2KV
C510		1-136-558-11	FILM	0.0039MF	10%	400V
C511		1-117-950-11	FILM	18000PF	3%	2.5KV (KV-28FD1E/28FD1K)
		1-113-582-11	FILM	17000PF	3%	1.2V (KV-32FD1E/32FD1K)
C512		1-137-235-51	FILM	0.018MF	10%	630V
C513		1-115-177-11	FILM	6.8MF	5%	160V
C514		1-129-702-00	FILM	0.001MF	10%	400V
C516		1-115-519-11	FILM	0.56MF	5%	250V (KV-28FD1E/28FD1K)
		1-115-517-21	FILM	0.39MF	5%	250V (KV-32FD1E/32FD1K)
C518		1-535-303-00	LEAD, JUMPER (5.0MM)			
C519		1-137-104-11	FILM	0.033MF	10%	250V
C520		1-126-933-11	ELECT	100MF	20%	16V
C521		1-102-002-91	CERAMIC	680PF	10%	50V
C525		1-126-964-11	ELECT	10MF	20%	50V
C528		1-102-030-00	CERAMIC	330PF	10%	500V
C535		1-107-655-11	ELECT	47MF	20%	250V
C536		1-102-228-00	CERAMIC	470PF	10%	500V
C537		1-102-228-00	CERAMIC	470PF	10%	500V
C538		1-102-228-00	CERAMIC	470PF	10%	500V
C541		1-106-375-12	MYLAR	0.022MF	10%	250V
C548		1-162-558-91	CERAMIC	100PF	10%	2KV (KV-28FD1E/28FD1K)
C548		1-162-129-00	CERAMIC	150PF	10%	2KV (KV-32FD1E/32FD1K)
C549		1-162-558-91	CERAMIC	100PF	10%	2KV (KV-28FD1E/28FD1K)
C549		1-162-129-00	CERAMIC	150PF	10%	2KV (KV-32FD1E/32FD1K)
C552		1-126-968-11	ELECT	100MF	20%	50V
C554		1-102-129-00	CERAMIC	0.01MF	10%	50V
C555		1-126-941-11	ELECT	470MF	20%	25V
C556		1-102-129-00	CERAMIC	0.01MF	10%	50V
C557		1-126-941-11	ELECT	470MF	20%	25V
C560		1-106-228-00	MYLAR	0.22MF	10%	100V
C561		1-106-220-00	MYLAR	0.1MF	10%	100V
C562		1-130-785-11	MYLAR	0.47MF	10%	100V
C573		1-162-115-91	CERAMIC	330PF	10%	2KV (KV-28FD1E/28FD1K)
C574		1-136-343-91	FILM	0.0033MF	5%	500V (KV-28FD1E/28FD1K)
		1-130-062-51	FILM	0.0056MF	5%	630V (KV-32FD1E/32FD1K)
C576		1-129-702-00	FILM	0.001MF	10%	400V
C580		1-102-030-91	CERAMIC	330PF	10%	500V
C581		1-136-205-11	FILM	0.022MF	10%	400V
C582		1-137-536-11	FILM	0.0022MF	5%	630V
C583		1-130-785-11	FILM	0.47MF	10%	100V
C600	⚠	1-136-519-12	FILM	0.47MF	20%	300V
C601	⚠	1-113-890-61	CERAMIC	0.0022MF	20%	250V
C602	⚠	1-113-890-61	CERAMIC	0.0022MF	20%	250V
C603	⚠	1-136-518-12	FILM	0.33MF	20%	300V
C604		1-164-625-11	CERAMIC	680PF	10%	500V
C605		1-104-664-11	ELECT	47MF	20%	25V
C606		1-162-599-12	CERAMIC	0.0047MF		250V
C607		1-535-143-00	LEAD, JUMPER (10MM)			(KV-28FD1E/28FD1K)
		1-161-744-00	CERAMIC	0.01MF		400V (KV-32FD1E/32FD1K)
C609		1-104-664-11	ELECT	47MF	20%	25V
C610		1-162-599-12	CERAMIC	0.0047MF		250V
C611	⚠	1-162-580-51	CERAMIC	0.01MF		400V
C613		1-162-599-12	CERAMIC	0.0047MF		250V
C614		1-164-645-11	CERAMIC	1000PF	10%	500V
C616		1-117-753-11	ELECT	470MF	20%	450V
C618		1-136-173-00	FILM	0.47MF	5%	50V
C620		1-136-171-00	FILM	0.33MF	5%	50V
C621		1-136-171-00	FILM	0.33MF	5%	50V
C623		1-126-968-11	ELECT	100MF	20%	50V
C624		1-126-965-11	ELECT	22MF	20%	50V
C625		1-128-548-11	ELECT	4700MF	20%	25V
C626		1-128-548-11	ELECT	4700MF	20%	25V
C627		1-126-936-11	ELECT	3300MF	20%	16V
C628		1-126-943-11	ELECT	2200MF	20%	25V
C629		1-110-626-11	ELECT	330MF	20%	160V
C630		1-102-129-00	CERAMIC	0.01MF	10%	50V
C631		1-102-129-00	CERAMIC	0.01MF	10%	50V
C632		1-126-935-11	ELECT	470MF	20%	16V
C633		1-137-368-91	CERAMIC	0.0047MF	10%	50V
C634		1-108-413-91	MYLAR	0.0022MF	10%	200V
C639		1-164-625-11	CERAMIC	680PF	10%	500V
C640		1-136-173-00	FILM	0.47MF	5%	50V
C642		1-128-578-11	ELECT	1MF	20%	100V
C651		1-126-969-11	ELECT	220MF	20%	50V
C652		1-104-664-11	ELECT	47MF	20%	25V
C653		1-107-681-91	ELECT	33MF	20%	450V
C655		1-126-967-11	ELECT	47MF	20%	50V
C657		1-126-968-11	ELECT	100MF	20%	50V
C658		1-128-562-11	ELECT	47MF	20%	100V
C659		1-126-971-11	ELECT	470MF	20%	50V
C660		1-128-560-11	ELECT	22MF	20%	100V
C661		1-104-664-11	ELECT	47MF	20%	25V
C671		1-126-964-11	ELECT	10MF	20%	50V
C672		1-136-165-00	FILM	0.1MF	5%	50V
C673		1-126-967-11	ELECT	47MF	20%	50V
C674		1-164-625-11	CERAMIC	680PF	10%	500V
C675		1-164-625-11	CERAMIC	680PF	10%	500V
C677		1-136-165-00	FILM	0.1MF	5%	50V
C680		1-162-558-11	CERAMIC	100PF	10%	2KV
C681		1-104-664-11	ELECT	47MF	20%	25V
C683		1-126-965-91	ELECT	22MF	20%	50V
C684		1-126-940-91	ELECT	330MF	20%	50V

< CONNECTOR >

CN501		1-900-902-84	CONNECTOR ASSY MICRO 7P
CN502		*1-580-798-11	CONNECTOR PIN (DY) 6P
CN503		1-695-915-11	TAB (CONTACT)
CN504		1-900-902-85	CONNECTOR ASSY, MICRO 8P
CN505		1-695-297-11	CONNECTOR, BOARD TO BOARD 20P
CN507		*1-568-877-51	PIN, CONNECTOR 2P
CN509		*1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P
CN510		1-900-902-82	CONNECTOR ASSY, MICRO 5P
CN511		1-695-297-11	CONNECTOR, BOARD TO BOARD 20P
CN601		1-695-915-11	TAB (CONTACT)
CN602	⚠	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P

D

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REF.NO.		PART NO.	DESCRIPTION	REMARK
CN604	⚠	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
CN605	⚠	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P (KV-32FD1E/32FD1K)	
CN606	⚠	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CN607		1-900-902-83	CONNECTOR ASSY, MICRO 6P	
CN608		1-900-902-84	CONNECTOR ASSY, MICRO 7P	
CN609		1-900-902-85	CONNECTOR ASSY, MICRO 5P	
CN610		1-900-902-86	CONNECTOR ASSY, MICRO 7P	
			< DIODE >	
D502		8-719-979-99	DIODE ERD08M-15	
D503		8-719-052-09	DIODE FMG-36S-LF024-104	
D505		8-719-908-03	DIODE GP08D	
D506		8-719-908-03	DIODE GP08D	
D510		8-719-979-85	DIODE EGP20G	
D511		8-719-302-43	DIODE EL1Z	
D512		8-719-510-64	DIODE S2LA20F	
D513		8-719-510-64	DIODE S2LA20F	
D514		8-719-908-03	DIODE GP08D	
D516		8-719-110-41	DIODE RD15ES-B2	
D520		8-719-970-87	DIODE ERA38-06	
D521		8-719-970-87	DIODE ERA38-06	
D600		8-719-911-19	DIODE 1SS119-25	
D601		8-719-510-35	DIODE D2SBA60F	
D602		8-719-510-09	DIODE D10SC6M	
D603		8-719-510-53	DIODE D4SB60L	
D605		8-719-979-58	DIODE EGP10D	
D606		8-719-028-45	DIODE D2L20U	
D608		8-719-510-64	DIODE S2LA20F	
D609		8-719-911-19	DIODE 1SS119-25	
D610		8-719-047-31	DIODE RBA-402L	
D611		8-719-510-12	DIODE D10SC4M	
D612		8-719-510-12	DIODE D10SC4M	
D613		8-719-500-71	DIODE D8LC40	
D614		8-719-911-19	DIODE 1SS119-25	
D618		8-719-911-19	DIODE 1SS119-25	
D620		8-719-991-33	DIODE 1SS133T-77	
D622		8-719-991-33	DIODE 1SS133T-77	
D623		8-719-991-33	DIODE 1SS133T-77	
D624		8-719-991-33	DIODE 1SS133T-77	
D626		8-719-109-97	DIODE RD6.8ES-B2	
D654		8-719-059-23	DIODE P6KE200AG23	
D655		8-719-979-64	DIODE UF4005PKG23	
D656		8-719-028-45	DIODE D2L20U	
D657		8-719-921-88	DIODE MTZJ-13B	
D658		8-719-510-64	DIODE S2LA20F	
D659		8-719-911-19	DIODE 1SS119-25	
D660		8-719-982-27	DIODE MTZJ-33C	
D661		8-719-991-33	DIODE 1SS133T-77	
D662		8-719-991-33	DIODE 1SS133T-77	
D663		8-719-991-33	DIODE 1SS133T-77	
D664		8-719-911-19	DIODE 1SS119-25	
D665		8-719-911-19	DIODE 1SS119-25	
D666		8-719-109-19	DIODE RD5.6ES-B2	
D667		8-719-911-19	DIODE 1SS119-25	
D668		8-719-109-89	DIODE RD5.6ES-B2	
			< FERRITE BEAD >	
FB600		1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB601		1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB602		1-535-303-00	LEAD, JUMPER (5.0MM)	
FB603		1-535-303-00	LEAD, JUMPER (5.0MM)	
			< IC >	
IC502		8-759-192-71	IC STV9379	
IC600		8-759-098-24	IC PQ30RV11	
IC601	⚠	8-749-010-64	PHOTO COUPLER PC123F2	
IC602		8-729-043-26	TRANSISTOR MXO841T-F	
IC603		1-810-050-11	POWER MODULE DM-47	
IC604		8-759-908-15	IC TL431CLP	
IC651		8-759-487-72	IC TOP222Y-BB	
			< PROTECTOR MODULE >	
PS601	⚠	1-801-550-21	PROTECTOR MODULE 2.5A MP250	
PS602	⚠	1-801-550-21	PROTECTOR MODULE 2.5A MP250	
PS603	⚠	1-801-550-21	PROTECTOR MODULE 2.5A MP250	
PS604	⚠	1-801-550-21	PROTECTOR MODULE 2.5A MP250	
			< COIL >	
L507		1-412-524-11	INDUCTOR 8.2UH	
L508		1-535-303-00	LEAD, JUMPER (5.0MM)	
L509		1-535-303-00	LEAD, JUMPER (5.0MM)	
L510		1-535-303-00	LEAD, JUMPER (5.0MM)	
L511		1-459-104-00	COIL, WITH CORE	
L516		1-408-947-00	INDUCTOR 2.2MMH	
L520		1-535-303-00	LEAD, JUMPER (5.0MM)	
L521		1-406-671-21	COIL, CHOKE 1.0MMH (KV-28FD1E/28FD1K)	
		1-406-674-11	COIL, CHOKE 3.3MMH (KV-28FD1E/28FD1K)	
L523		1-416-448-11	COIL (WITH CORE) (PMC)	
L524		1-535-303-00	LEAD, JUMPER (5.0MM)	
L602		1-535-303-00	LEAD, JUMPER (5.0MM)	
L603		1-406-656-21	COIL, CHOKE 3.3UH	
L604		1-406-656-21	COIL, CHOKE 3.3UH	
L607		1-412-525-31	INDUCTOR 10UH	
L608		1-412-525-31	INDUCTOR 10UH	
L609		1-412-529-11	INDUCTOR 22UH	
L610		1-412-525-31	INDUCTOR 10UH	
L611		1-412-529-11	INDUCTOR 22UH	
L612		1-412-525-31	INDUCTOR 10UH	
L652		1-412-549-31	INDUCTOR 1MMH	
L653		1-412-537-31	INDUCTOR 100UH	
L654		1-412-537-41	INDUCTOR 100UH	
			< IC LINK >	
PS605	⚠	1-532-727-11	LINK, IC 0.25A (ICP-N5)	
			< TRANSISTOR >	
Q501		8-729-119-80	TRANSISTOR 2SC2688-LK	
Q502		8-729-821-07	TRANSISTOR 2SC3997CA	
Q504		8-729-026-79	TRANSISTOR IRFI620G	
Q505		8-729-011-06	TRANSISTOR 2SC3840K	
Q506		8-729-029-86	TRANSISTOR DTC124ESA	
Q507		8-729-119-80	TRANSISTOR 2SC2688-LK	
Q508		8-729-122-12	TRANSISTOR 2SA1221-L	
Q601		8-729-026-41	TRANSISTOR 2SA933AS-QRT	
Q602		8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q604		8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q605		8-729-026-41	TRANSISTOR 2SA933AS-QRT	
Q606		8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q607		8-729-119-78	TRANSISTOR 2SC2785-HFE	

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D

REF.NO.		PART NO.	DESCRIPTION				REMARK
Q608		8-729-026-41	TRANSISTOR 2SA933AS-QRT				
Q609		8-729-029-56	TRANSISTOR DTA144ESA				
Q610		8-729-029-86	TRANSISTOR DTC124ESA				
Q611		8-729-029-56	TRANSISTOR DTA144ESA				
Q612		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q613		8-729-029-66	TRANSISTOR DTC114ESA				
Q617		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q618		8-729-029-66	TRANSISTOR DTC114ESA				
Q619		8-729-119-78	TRANSISTOR 2SC2785-HFE				
			< RESISTOR >				
R502		1-216-481-51	METAL OXIDE	1.2K	5%	3W	F
R503		1-216-481-51	METAL OXIDE	1.2K	5%	3W	F
R505		1-216-487-11	METAL OXIDE	12K	5%	3W	F
R506		1-249-411-11	CARBON	330	5%	1/4W	
R507		1-247-843-11	CARBON	3.3K	5%	1/4W	
R509		1-215-905-11	METAL OXIDE	10	5%	3W	F
R510		1-216-476-11	METAL OXIDE	180	5%	3W	F
R511		1-216-434-11	METAL OXIDE	1.8K	5%	1W	F
R517		1-202-972-61	FUSIBLE	1	5%	1/4W	F
R518		1-249-377-11	CARBON	0.47	5%	1/4W	F
R519		1-249-377-11	CARBON	0.47	5%	1/4W	F
R520		1-214-907-00	METAL	56K	1%	1/2W	
R521		1-535-303-00	LEAD, JUMPER (5.0MM)				
R522		1-535-143-31	LEAD, JUMPER (15.0MM)				
R523		1-215-911-11	METAL OXIDE	100	5%	3W	F
R533		1-249-417-11	CARBON	1K	5%	1/4W	
R534		1-249-441-11	CARBON	100K	5%	1/4W	
R535		1-249-441-11	CARBON	100K	5%	1/4W	
R536		1-249-441-11	CARBON	100K	5%	1/4W	
R543		1-215-894-11	METAL OXIDE	2.2K	5%	2W	F
R544		1-249-424-11	CARBON	3.9K	5%	1/4W	
R545		1-247-881-00	CARBON	120K	5%	1/4W	
R550		1-249-389-11	CARBON	4.7	5%	1/4W	F
R554		1-215-449-00	METAL	15K	1%	1/4W	
R555		1-214-798-21	METAL	1.8	1%	1/2W	
R557		1-215-894-11	METAL OXIDE	2.2K	5%	2W	F
R559		1-215-438-00	METAL	5.1K	1%	1/4W	
R560		1-247-843-11	CARBON	3.3K	5%	1/4W	
R561		1-215-373-31	METAL	10	1%	1/4W	
R562		1-249-383-11	CARBON	1.5	5%	1/4W	F
R563		1-215-888-00	METAL OXIDE	220	5%	2W	F
R565		1-215-449-00	METAL	15K	1%	1/4W	
R566		1-215-438-00	METAL	5.1K	1%	1/4W	
R567		1-214-798-21	METAL	1.8	1%	1/2W	
R568		1-249-418-11	CARBON	1.2K	5%	1/4W	
R569		1-249-441-11	CARBON	100K	5%	1/4W	
R570		1-247-807-31	CARBON	100	5%	1/4W	
R571		1-215-919-51	METAL OXIDE	2.2K	5%	3W	F
R572		1-249-441-11	CARBON	100K	5%	1/4W	
R573		1-249-425-11	CARBON	4.7K	5%	1/4W	
R574		1-247-887-00	CARBON	220K	5%	1/4W	
R600		1-214-937-00	CARBON	1M	5%	1/2W	
R602	⚠	1-205-998-11	WIREWOUND	1	5%	10W	
R603	⚠	1-218-265-11	METAL	8.2M	5%	1W	
R604	⚠	1-205-998-11	WIREWOUND	1	5%	10W	
R605	⚠	1-205-998-11	WIREWOUND	1	5%	10W	
R607		1-249-429-11	CARBON	10K	5%	1/4W	
R608		1-249-421-11	CARBON	2.2K	5%	1/4W	

REF.NO.	PART NO.	DESCRIPTION				REMARK
R609	1-249-417-11	CARBON	1K	5%	1/4W	F
R610	1-247-891-00	CARBON	330K	5%	1/4W	
R611	1-247-891-00	CARBON	330K	5%	1/4W	
R612	1-216-369-00	METAL OXIDE	1	5%	2W	F
R613	1-207-905-00	WIREWOUND	0.27	10%	2W	F
R614	1-247-891-00	CARBON	330K	5%	1/4W	
R615	1-247-891-00	CARBON	330K	5%	1/4W	
R616	1-216-369-00	METAL OXIDE	1	5%	2W	F
R618	1-249-425-11	CARBON	4.7K	5%	1/4W	
R620	1-249-429-11	CARBON	10K	5%	1/4W	
R623	1-249-429-11	CARBON	10K	5%	1/4W	
R624	1-247-895-91	CARBON	470K	5%	1/4W	
R625	1-249-421-11	CARBON	2.2K	5%	1/4W	
R626	1-249-429-11	CARBON	10K	5%	1/4W	
R628	1-247-807-31	CARBON	100	5%	1/4W	
R629	1-249-425-11	CARBON	4.7K	5%	1/4W	
R630	1-249-417-11	CARBON	1K	5%	1/4W	F
R631	1-249-417-11	CARBON	1K	5%	1/4W	
R632	1-249-417-11	CARBON	1K	5%	1/4W	
R633	1-249-417-11	CARBON	1K	5%	1/4W	
R634	1-215-479-00	METAL	270K	1%	1/4W	
R635	1-215-438-00	METAL	5.1K	1%	1/4W	
R636	1-249-417-11	CARBON	1K	5%	1/4W	
R638	1-215-927-00	METAL OXIDE	47K	5%	3W	F
R639	1-249-429-11	CARBON	10K	5%	1/4W	
R640	1-202-933-61	FUSIBLE	0.1	10%	1/2W	F
R641	1-260-110-91	CARBON	8.2K	5%	1/2W	
R642	1-249-429-11	CARBON	10K	5%	1/4W	
R643	1-249-443-11	CARBON	0.47	5%	1/4W	F
R644	1-220-797-11	WIREWOUND	0.47	5%	10W	F
R650	1-249-425-11	CARBON	4.7K	5%	1/4W	
R651	1-215-927-00	METAL OXIDE	47K	5%	3W	F
R652	1-249-429-11	CARBON	10K	5%	1/4W	
R654	1-211-771-11	FUSIBLE	4.7	5%	1/4W	F
R656	1-247-791-91	CARBON	22	5%	1/4W	
R657	1-247-887-00	CARBON	220K	5%	1/4W	
R658	1-249-416-11	CARBON	820	5%	1/4W	
R659	1-247-895-91	CARBON	470K	5%	1/4W	
R660	1-249-429-11	CARBON	10K	5%	1/4W	
R661	1-249-417-11	CARBON	1K	5%	1/4W	
R662	1-249-410-11	CARBON	270	5%	1/4W	
R663	1-215-926-00	METAL OXIDE	33K	5%	3W	F
R668	1-247-863-91	CARBON	22K	5%	1/4W	
R669	1-215-467-00	METAL	82K	1%	1/4W	
R670	1-215-445-00	METAL	10K	1%	1/4W	
R671	1-215-445-00	METAL	10K	1%	1/4W	
R673	1-249-417-11	CARBON	1K	5%	1/4W	
R674	1-249-417-11	CARBON	1K	5%	1/4W	
R675	1-215-867-51	METAL OXIDE	470	5%	1W	
R676	1-215-429-91	METAL OXIDE	2.2K	1%	1/4W	
R677	1-247-869-91	CARBON	39K	5%	1/4W	
R678	1-215-859-00	METAL OXIDE	22	5%	1W	F
R679	1-215-859-00	METAL OXIDE	22	5%	1W	F
R680	1-215-412-00	METAL	430	1%	1/4W	
R681	1-215-425-00	METAL	1.5K	1%	1/4W	
R682	1-247-857-91	CARBON	12K	5%	1/4W	
R683	1-249-417-91	CARBON	1K	5%	1/4W	

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REF.NO.		PART NO.	DESCRIPTION				REMARK
			< RELAY >				
RY600	⚠	1-755-178-11	RELAY, AC POWER				
RY601		1-515-720-31	RELAY				
			< SWITCH >				
S501		1-572-707-11	SWITCH, LEVER				
			< TRANSFORMER >				
LF600	⚠	1-426-716-11	TRANSFORMER, LINE FILTER (LFT)				
T501		1-427-762-11	TRANSFORMER, FERRITE (HDT)				
T504		1-431-599-11	TRANSFORMER, HORIZONTAL LINEAR (KV-28FD1E/28FD1K)				
		1-431-600-11	TRANSFORMER, HORIZONTAL LINEAR (KV-32FD1E/32FD1K)				
T505	⚠	1-453-256-11	TRANSFORMER ASSY, FLYBACK (NX-4125/U2B4)				
T507		1-426-896-11	TRANSFORMER, FERRITE (DFT)				
T600	⚠	1-431-616-11	TRANSFORMER, CONVERTER				
T601	⚠	1-431-597-11	TRANSFORMER, CONVERTER (PIT)				
T651	⚠	1-431-598-11	TRANSFORMER, CONVERTER (SRT)				
			< THERMISTOR >				
TH501		1-800-193-00	THERMISTOR				
THP600	⚠	1-810-961-11	THERMISTOR, POSITIVE				
**********							
		*A-1644-081-A	VM BOARD, COMPLETE **********				
		4-382-854-11	SCREW (M3X10), P, SW (+)				
			< CAPACITOR >				
C1701		1-107-883-11	ELECT	330MF	20%	16V	
C1702		1-137-370-11	FILM	0.01MF	5%	50V	
C1703		1-126-935-11	ELECT	470MF	20%	16V	
C1704		1-126-935-11	ELECT	470MF	20%	6.3V	
C1706		1-126-933-11	ELECT	100MF	20%	16V	
C1707		1-126-935-11	ELECT	470MF	20%	6.3V	
C1708		1-104-989-91	FILM	0.0022MF	5%	200V	
C1709		1-104-989-91	FILM	0.0022MF	5%	200V	
C1710		1-107-649-11	ELECT	2.2MF	20%	250V	
C1711		1-137-364-11	FILM	0.001MF	5%	50V	
C1712		1-137-364-11	FILM	0.001MF	5%	50V	
C1713		1-126-933-11	ELECT	100MF	20%	16V	
C1714		1-107-363-91	FILM	0.0068MF	10%	200V	
C1715		1-126-933-11	ELECT	100MF	20%	16V	
C1716		1-107-638-11	ELECT	33MF	20%	160V	
C1717		1-162-117-00	CERAMIC	100PF	10%	500V	
			< CONNECTOR >				
CN1701		*1-568-878-51	PIN, CONNECTOR 3P				
CN1702		*1-564-511-11	PLUG, CONNECTOR 8P				
CN1703		*1-770-747-11	CONNECTOR, BOARD TO BOARD 12P				
CN1705		1-695-915-11	TAB (CONTACT)				
			< DIODE >				
D1701		8-719-991-33	DIODE 1SS133T-77				
D1702		8-719-510-02	DIODE D1NS4				
D1703		8-719-991-33	DIODE 1SS133T-77				
D1704		8-719-991-33	DIODE 1SS133T-77				
D1705		8-719-991-33	DIODE 1SS133T-77				
D1706		8-719-924-11	DIODE MTZJ-T-77-22				
D1707		8-719-924-11	DIODE MTZJ-T-77-22				
			< FERRITE BEAD >				
FB1701		1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH				
			< COIL >				
L1701		1-535-303-00	LEAD, JUMPER (5.0MM)				
			< TRANSISTOR >				
Q1701		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q1702		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q1703		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q1704		8-729-026-41	TRANSISTOR 2SA933AS-QRT				
Q1705		8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q1706		8-729-026-41	TRANSISTOR 2SA933AS-QRT				
Q1707		8-729-017-05	TRANSISTOR 2SA1837				
Q1708		8-729-017-06	TRANSISTOR 2SC4793				
			< RESISTOR >				
R1701		1-249-401-11	CARBON	47	5%	1/4W	
R1702		1-249-421-11	CARBON	2.2K	5%	1/4W	
R1703		1-535-303-00	LEAD, JUMPER (5.0MM)				
R1704		1-249-425-11	CARBON	4.7K	5%	1/4W	
R1705		1-249-413-11	CARBON	470	5%	1/4W	
R1706		1-249-393-11	CARBON	10	5%	1/4W	F
R1707		1-249-399-11	CARBON	33	5%	1/4W	
R1708		1-247-807-31	CARBON	100	5%	1/4W	
R1709		1-249-417-11	CARBON	1K	5%	1/4W	
R1710		1-247-815-91	CARBON	220	5%	1/4W	
R1711		1-249-401-11	CARBON	47	5%	1/4W	
R1712		1-249-401-11	CARBON	47	5%	1/4W	
R1713		1-249-429-11	CARBON	10K	5%	1/4W	
R1714		1-249-414-11	CARBON	560	5%	1/4W	F
R1715		1-249-432-11	CARBON	18K	5%	1/4W	
R1716		1-249-432-11	CARBON	18K	5%	1/4W	
R1717		1-249-414-11	CARBON	560	5%	1/4W	
R1718		1-249-421-11	CARBON	2.2K	5%	1/4W	
R1719		1-249-421-11	CARBON	2.2K	5%	1/4W	
R1720		1-260-311-11	CARBON	39	5%	1/2W	
R1721		1-249-383-11	CARBON	1.5	5%	1/4W	F
R1722		1-249-383-11	CARBON	1.5	5%	1/4W	F
R1723		1-249-400-11	CARBON	39	5%	1/4W	F
R1724		1-215-914-11	METAL OXIDE	330	5%	3W	F
**********							
		*A-1646-143-A	H1 BOARD, COMPLETE **********				
		4-382-854-11	SCREW (M3X10), P, SW (+)				
			< CAPACITOR >				
C901		1-101-810-00	CERAMIC	100PF	5%	500V	
C902		1-101-810-00	CERAMIC	100PF	5%	500V	
C903		1-137-372-11	FILM	0.022MF	5%	50V	
C904		1-137-372-11	FILM	0.022MF	5%	50V	
C905		1-101-810-00	CERAMIC	100PF	5%	500V	
C906		1-101-810-00	CERAMIC	100PF	5%	500V	

H1 H2 J

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< CONNECTOR >	
CN901	*1-568-882-51	PIN, CONNECTOR 7P	
CN902	*1-568-882-51	PIN, CONNECTOR 7P	
CN903	*1-568-878-51	PIN, CONNECTOR 3P	
CN904	*1-568-881-51	PIN, CONNECTOR 6P	
CN905	*1-568-881-51	PIN, CONNECTOR 6P	
CN906	1-778-618-11	CONNECTOR, D-SUB (15P)	
		< DIODE >	
D901	8-719-923-60	DIODE MTZJ-T-77-9.1	
D902	8-719-923-60	DIODE MTZJ-T-77-9.1	
D915	8-719-108-12	DIODE RD9.1EW-T1	
D916	8-719-108-12	DIODE RD9.1EW-T1	
D917	8-719-108-12	DIODE RD9.1EW-T1	
D918	8-719-108-12	DIODE RD9.1EW-T1	
		< SOCKET >	
J901	1-764-606-11	JACK	
J902	1-568-678-11	TERMINAL BLOCK, S 3P	
J903	1-779-770-11	JACK, PIN 2P	
		< COIL >	
L901	1-408-409-00	INDUCTOR 10UH	
L902	1-408-409-00	INDUCTOR 10UH	
L903	1-408-409-00	INDUCTOR 10UH	
L904	1-408-409-00	INDUCTOR 10UH	
L905	1-408-409-00	INDUCTOR 10UH	
L906	1-408-409-00	INDUCTOR 10UH	
		< RESISTOR >	
R901	1-535-303-00	LEAD, JUMPER (5.0MM)	
R902	1-535-303-00	LEAD, JUMPER (5.0MM)	
R903	1-247-895-91	CARBON 470K 5%	1/4W
R904	1-247-895-91	CARBON 470K 5%	1/4W
R907	1-247-895-91	CARBON 470K 5%	1/4W
R908	1-247-895-91	CARBON 470K 5%	1/4W
R909	1-249-425-11	CARBON 4.7K 5%	1/4W
R910	1-249-421-11	CARBON 2.2K 5%	1/4W
R911	1-249-425-11	CARBON 4.7K 5%	1/4W
R912	1-249-421-11	CARBON 2.2K 5%	1/4W
R913	1-535-303-00	LEAD, JUMPER (5.0MM)	
R914	1-249-429-11	CARBON 10K 5%	1/4W
R915	1-249-429-11	CARBON 10K 5%	1/4W
R917	1-249-417-11	CARBON 1K 5%	1/4W
R918	1-249-417-11	CARBON 1K 5%	1/4W
R919	1-535-303-00	LEAD, JUMPER (5.0MM)	
R920	1-535-303-00	LEAD, JUMPER (5.0MM)	
R921	1-535-303-00	LEAD, JUMPER (5.0MM)	
		< SWITCH >	
S901	1-571-532-21	SWITCH, TACTIL	
S902	1-571-532-21	SWITCH, TACTIL	
S903	1-571-532-21	SWITCH, TACTIL	
S904	1-571-532-21	SWITCH, TACTIL	
S905	1-571-532-21	SWITCH, TACTIL	
S906	1-571-532-21	SWITCH, TACTIL	

REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1646-144-A	H2 BOARD, COMPLETE ******************	
		< CAPACITOR >	
C952	1-126-964-11	ELECT 10MF 20% 50V	
		< CONNECTOR >	
CN951	*1-568-879-11	PIN, CONNECTOR 4P	
		< DIODE >	
D951	8-719-948-31	DIODE LD-201VR	
	*4-387-825-01	HOLDER, LED; D951	
		< IC >	
IC951	8-742-010-11	IC SBX1780-51	
		< RESISTOR >	
R951	1-247-815-91	CARBON 220 5%	1/4W
R952	1-249-401-11	CARBON 47 5%	1/4W
		**********	
	*A-1654-027-A	J BOARD, COMPLETE ****************	
	4-039-356-01	SCREW (3X12), (+) BV TAPPING	
	*4-203-828-01	SUPPORTER, PWB	
	*4-203-829-01	HOLDER (A), J	
	*4-203-830-01	HOLDER (B), J	
		< CAPACITOR >	
C4201	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4202	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C4203	1-104-664-11	ELECT 47MF 20%	25V
C4204	1-104-664-11	ELECT 47MF 20%	25V
C4205	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4206	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4207	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C4208	1-104-664-11	ELECT 47MF 20%	25V
C4209	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4210	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4211	1-104-664-11	ELECT 47MF 20%	25V
C4213	1-104-664-11	ELECT 47MF 20%	25V
C4215	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4216	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C4217	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4218	1-126-933-11	ELECT 100MF 20%	16V
C4219	1-104-664-11	ELECT 47MF 20%	25V
C4220	1-126-933-11	ELECT 100MF 20%	16V
C4221	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4222	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4224	1-126-933-11	ELECT 100MF 20%	16V
C4225	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4227	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4228	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4229	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4230	1-136-161-00	FILM 0.047MF 5%	50V
C4232	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C4233	1-104-664-11	ELECT 47MF 20%	25V
C4234	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4236	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C4237	1-104-664-11	ELECT 47MF 20%	25V
C4240	1-164-346-11	CERAMIC CHIP 1MF	16V
C4241	1-104-664-11	ELECT 47MF 20%	25V
C4242	1-164-346-11	CERAMIC CHIP 1MF	16V
C4243	1-104-664-11	ELECT 47MF 20%	25V
C4244	1-126-933-11	ELECT 100MF 20%	16V
C4245	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C4246	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4247	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4248	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C4249	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4250	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4251	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4252	1-104-664-11	ELECT 47MF 20%	25V
C4253	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4254	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4255	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4256	1-104-664-11	ELECT 47MF 20%	25V
C4257	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4258	1-104-664-11	ELECT 47MF 20%	25V
C4259	1-104-664-11	ELECT 47MF 20%	25V
C4261	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4264	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C4265	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4266	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4267	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4269	1-104-664-11	ELECT 47MF 20%	25V
C4270	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C4271	1-104-664-11	ELECT 47MF 20%	25V
C4272	1-104-664-11	ELECT 47MF 20%	25V
C4275	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4277	1-163-009-11	CERAMIC CHIP 0.001MF 10%	50V
C4278	1-104-664-11	ELECT 47MF 20%	25V
C4279	1-163-009-11	CERAMIC CHIP 0.001MF 10%	50V
C4280	1-104-664-11	ELECT 47MF 20%	25V
C4281	1-104-664-11	ELECT 47MF 20%	25V
C4282	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4283	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4284	1-104-664-11	ELECT 47MF 20%	25V
C4285	1-104-664-11	ELECT 47MF 20%	25V
C4286	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C4287	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C4292	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4293	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4294	1-163-009-11	CERAMIC CHIP 0.001MF 10%	50V
C4295	1-163-009-11	CERAMIC CHIP 0.001MF 10%	50V
C4296	1-163-037-11	CERAMIC CHIP 0.022MF 10%	50V
C4297	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4298	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C4300	1-163-037-11	CERAMIC CHIP 0.022MF 10%	50V
C4305	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C4309	1-104-664-11	ELECT 47MF 20%	25V
		< CONNECTOR >	
CN4201	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P	
CN4202	*1-564-522-11	PLUG, CONNECTOR 7P	
CN4204	1-695-300-11	CONNECTOR, BOARD TO BOARD 20P	
CN4205	*1-564-522-11	PLUG, CONNECTOR 7P	
CN4208	*1-564-521-11	PLUG, CONNECTOR 6P	
CN4209	*1-564-522-11	PLUG, CONNECTOR 7P	

REF.NO.	PART NO.	DESCRIPTION	REMARK
		< DIODE >	
D4201	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4202	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4203	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4204	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4205	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4206	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4207	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4208	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4209	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4210	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4211	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4212	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4213	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4214	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4215	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4216	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4217	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4218	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4219	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4220	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4221	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4222	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4223	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4224	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4225	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4226	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4227	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4228	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4229	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4230	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4232	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4233	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4234	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4235	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4236	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4237	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4238	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4239	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4240	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4241	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4242	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4243	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4244	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4245	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4246	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4252	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4253	8-719-923-60	DIODE MTZJ-T-77-9.1A	
		< IC >	
IC4201	8-759-330-93	IC TDA7309	
IC4202	8-759-349-19	IC NJM3414AM-TE2	
IC4203	8-752-066-69	IC CXA1845Q	
IC4204	8-759-385-76	IC MC14052BDR2	
		< SOCKET >	
J4201	1-561-534-41	SOCKET, PIN 21P	
J4202	1-695-296-11	TERMINAL BLOCK, S	
J4203	1-695-293-11	SOCKET 21P	
J4204	1-695-293-11	SOCKET 21P	
J4205	1-694-355-11	BOARD ASSY, D-SUB	

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REF.NO.	PART NO.	DESCRIPTION	REMARK
J4206	1-774-747-11	JACK BLOCK, PIN	
J4207	1-537-979-11	TERMINAL BOARD	
J4209	1-774-363-11	JACK BLOCK, PIN	
J4210	1-774-366-11	JACK BLOCK, PIN	
		< COIL >	
L4201	1-408-421-00	INDUCTOR 100UH	
L4202	1-408-421-00	INDUCTOR 100UH	
L4203	1-408-421-00	INDUCTOR 100UH	
L4205	1-402-711-11	INDUCTOR, WIDEBAND	
L4207	1-402-711-11	INDUCTOR, WIDEBAND	
L4209	1-408-421-00	INDUCTOR 100UH	
		< TRANSISTOR >	
Q4201	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4202	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4203	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4204	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4205	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4206	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4207	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4208	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4209	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4210	8-729-216-22	TRANSISTOR 2SA1162-G	
Q4214	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4215	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4216	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4217	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4219	8-729-216-22	TRANSISTOR 2SA1162-G	
Q4220	8-729-216-22	TRANSISTOR 2SA1162-G	
Q4221	8-729-216-22	TRANSISTOR 2SA1162-G	
Q4222	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4223	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q4224	1-801-806-11	TRANSISTOR DTC144EKA	
		< RESISTOR >	
JR7101	1-216-295-00	CONDUCTOR, CHIP	
JR7102	1-216-295-00	CONDUCTOR, CHIP	
JR7103	1-216-295-00	CONDUCTOR, CHIP	
JR7104	1-216-295-00	CONDUCTOR, CHIP	
JR7105	1-216-295-00	CONDUCTOR, CHIP	
JR7107	1-216-295-00	CONDUCTOR, CHIP	
JR7108	1-216-295-00	CONDUCTOR, CHIP	
JR7109	1-216-295-00	CONDUCTOR, CHIP	
R4201	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
R4202	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R4203	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4204	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R4205	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R4206	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4207	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4208	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4209	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4210	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4211	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4212	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R4213	1-216-295-00	CONDUCTOR, CHIP	
R4214	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R4215	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R4216	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4217	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4218	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R4219	1-216-295-00	CONDUCTOR, CHIP	
R4220	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4221	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R4222	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R4223	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
R4224	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4225	1-216-063-91	METAL GLAZE 3.9K 5% 1/10W	
R4226	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4227	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R4228	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R4229	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R4231	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4232	1-216-295-00	CONDUCTOR, CHIP	
R4233	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R4235	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4236	1-216-295-00	CONDUCTOR, CHIP	
R4237	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R4238	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R4239	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R4240	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4241	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4242	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R4243	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4244	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R4245	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4246	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4247	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4248	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R4249	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R4250	1-216-295-00	CONDUCTOR, CHIP	
R4251	1-216-295-00	CONDUCTOR, CHIP	
R4252	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R4253	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R4254	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4255	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R4256	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R4259	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4260	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4261	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4262	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4263	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4264	1-216-295-00	CONDUCTOR, CHIP	
R4265	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4266	1-216-295-00	CONDUCTOR, CHIP	
R4267	1-216-295-00	CONDUCTOR, CHIP	
R4268	1-216-295-00	CONDUCTOR, CHIP	
R4269	1-216-295-00	CONDUCTOR, CHIP	
R4270	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R4271	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R4272	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
R4273	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4274	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R4275	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4276	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4277	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R4278	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R4279	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4280	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4281	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4282	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	

REF.NO.	PART NO.	DESCRIPTION	REMARK
R4283	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R4284	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4285	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4286	1-216-295-00	CONDUCTOR, CHIP	
R4287	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4288	1-216-295-00	CONDUCTOR, CHIP	
R4290	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R4291	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4292	1-216-295-00	CONDUCTOR, CHIP	
R4293	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4295	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R4296	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4297	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R4298	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4304	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4305	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R4307	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4308	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R4309	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R4310	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4316	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R4317	1-216-009-00	METAL GLAZE 22 5% 1/10W	
R4318	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R4319	1-216-295-00	CONDUCTOR, CHIP	
R4320	1-216-295-00	CONDUCTOR, CHIP	
R4322	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4323	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4324	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4325	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4326	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4330	1-216-295-00	CONDUCTOR, CHIP	
R4331	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4332	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4334	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R4335	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4336	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R4337	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R4338	1-216-295-00	CONDUCTOR, CHIP	
R4339	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R4340	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4341	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R4342	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R4343	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4344	1-216-295-00	CONDUCTOR, CHIP	
R4345	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4346	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4347	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4348	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R4349	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4350	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4351	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R4352	1-216-113-00	METAL GLAZE 470K 5% 1/10W	
R4353	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4354	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R4355	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R4356	1-216-295-00	CONDUCTOR, CHIP	
R4357	1-216-295-00	CONDUCTOR, CHIP	
R4358	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4359	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4360	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R4361	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R4370	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R4371	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R4376	1-216-295-00	CONDUCTOR, CHIP	
R4377	1-216-295-00	CONDUCTOR, CHIP	
R4378	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R4379	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R4380	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R4381	1-216-101-00	METAL GLAZE 150K 5% 1/10W	
R4382	1-216-101-00	METAL GLAZE 150K 5% 1/10W	
R4383	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4384	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R4385	1-216-295-00	CONDUCTOR, CHIP	
R4386	1-216-295-00	CONDUCTOR, CHIP	
R4389	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R4390	1-216-097-91	METAL GLAZE 100K 5% 1/10W	

****

The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPTION	REMARK
		MISCELLANEOUS	
⚠	1-416-451-11	COIL, DEGAUSSING	(KV-28FD1E/28FD1K)
⚠	1-416-450-11	COIL, DEGAUSSING	(KV-32FD1E/32FD1K)
	1-452-032-00	MAGNET, DISK; 10MM Ø	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
⚠	1-453-256-11	TRANSFORMER ASSY, FLYBACK	(NX-4125/U2B4)
	1-505-790-11	SPEAKER (5CM)	
	1-505-791-11	SPEAKER (8CM)	
	1-452-896-71	COIL, NA ROTATION (RT-200)	
⚠	1-571-433-21	SWITCH, PUSH (AC POWER)	
	1-693-340-21	TUNER/VIF (AEP)	
⚠	1-751-680-11	CORD, POWER (WITH NOISE FILTER)	
⚠	1-451-463-11	DEFLECTION YOKE	(KV-28FD1E/28FD1K)
⚠	1-451-462-11	DEFLECTION YOKE (Y32RVC)	(KV-32FD1E/32FD1K)
⚠	8-453-015-11	NECK ASSY, (NA2913-M)	
⚠	8-737-779-05	PICTURE TUBE (SD-299)(M66LLX010X)	(KV-28FD1E/28FD1K)
⚠	8-735-035-05	PICTURE TUBE (SD-302)(W76LLZ010X)	(KV-32FD1E/32FD1K)
	1-782-856-11	CABLE, SPEAKER	
⚠	1-251-317-31	CAP ASSY, HIGH VOLTAGE	
		**********...**********	
		ACCESSORIES AND PACKING MATERIALS	
	4-203-909-71	MANUAL, INSTRUCTION	(KV-28FD1E/32FD1E) (SPANISH)
	4-203-909-81	MANUAL, INSTRUCTION	(KV-28FD1E/32FD1E) (ENGLISH/FRENCH/GERMAN/ITALIAN/DUTCH/ GREEK/PORTUGUESE/FINNISH/DANISH NORWEGIAN/SWEDISH)
	4-203-909-91	MANUAL, INSTRUCTION	(KV-28FD1K/32FD1K) (POLISH/CZECH/ENGLISH/BULGARIAN/HUNGARIAN)
	4-203-919-01	INDIVIDUAL CARTON	(KV-28FD1E/28FD1K)
	4-060-018-01	INDIVIDUAL CARTON	(KV-32FD1E/32FD1K)
	4-203-918-01	CUSHION (LOWER) ASSY	(KV-28FD1E/28FD1K)
	4-060-021-01	CUSHION (LOWER) ASSY	(KV-32FD1E/32FD1K)
	4-203-917-01	CUSHION (UPPER) ASSY	(KV-28FD1E/28FD1K)
	4-060-020-01	CUSHION (UPPER) ASSY	(KV-32FD1E/32FD1K)
	4-046-772-01	BAG PROTECTION	(KV-28FD1E/28FD1K)
	4-060-976-01	BAG PROTECTION	(KV-32FD1E/32FD1K)
	4-396-077-01	JOINT	(KV-32FD1E/32FD1K)
		REMOTE COMMANDER	
	1-475-444-11	COMMANDER, STANDARD TYPE (RM-864)	
		**********...**********	

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SERVICE MANUAL

GE-1 CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-28FD1E	RM-864	AEP	SCC-N46B-A	KV-32FD1E	RM-864	AEP	SCC-N46A-A
KV-28FD1K	RM-864	OIRT	SCC-N47B-A	KV-32FD1K	RM-864	OIRT	SCC-N47A-A

CORRECTION - 1

SUBJECT : CORRECTION OF ERRORS

File this supplement with the service manual

☛ : Corrected portion

REFER PAGE 25

INCORRECT

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander, RM-862.

REFER PAGE 123

INCORRECT

VM [REMOTE RECEIVER]

REFER PAGE 25

CORRECT

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander, RM-864. ☛

REFER PAGE 123

CORRECT

VM [VM AMP Q.P.] ☛

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Sony UK
Service Promotions Div.

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